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VARIETY APPLE ORCHARD
Arlington Farm

266

Variety:

Gano

Orchard location:

Section

A

Row

17-18

Tree

4

Arlington Accession No.

1842

Don. No. 24260

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	10/3	102769	:	1927 -	10/6	109642
1923 -	9/28	104134	:	1928 -		
1924 -	—	—	:	1929 -		
1925 -	—	—	:	1930		
1926 -	11/1	108678	:	1931		

Blossom dates:

1924 -

4/29

25% buds open

1925 -

7/13

20% " "

4/16

still few buds

1926 -

7/28

center buds open.

1927 -

Remarks:

Scions from N.Y. Sta 1902

Characterization:

Typical of the variety and well developed except that specimens are rather small - not above medium size. Roundish conic, regular, smooth. Cavity deep, abrupt; basin deep, rather broad, abrupt, though in some specimens depth is only medium. Ground color yellow, entirely overspread with heavy red; some specimens show a little indistinct striping. Scales numerous, small, yellowish, inconspicuous, flesh white, satiny, rather coarse grain, a little tough, lacking in juice, mild subacid, not much flavor. The lack of flavor and quality is pronounced because of what it does not possess rather than for what it does. Rather the poor quality is due to what is lacking, not to anything that is undesirable.

Second sheet, Variety

Gano.

Storage notes:

1926 Crop. Out of storage 4/27 Exam. 4/27
In good physical condition. Flesh and other
characters typical of variety.

1927 Crop. Out of storage 7/27/28. Exam. 3/9/28
In office refrigerator meanwhile.

Specimens a little shriveled. Ben Davis on same
plate show none. Flesh and quality characteristics
typical. Not as good in quality as Ben Davis handled
with it. Flatter in flavor than Ben Davis - and a
suggestion of sweetness with the mild acidity adds
nothing to the quality.

Vigor of Tree: Exceptionally strong average weak. Size:

(" " *Fair*) Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (*upright*) roundish broad flat (*spreading*).
Central leader: Partially retained disappeared.

Branching: *well branched - smooth*

Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping.

Twigs: Many (*medium*) few: (*Medium slender stout*); Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (*medium*) ~~few~~ Very medium slender (*stout*);
1/2 - 1 - 2 - 3 inch; Mostly branched (*unbranched*);
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed Neg. No. 47869

Fruit painted *Several*

Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Garden Royal (see insertion as to identity at bottom of sheet 2.)

Orchard location: Section *2*

Row *19-20* Tree *2*

Arlington Accession No. *7171*

Pom. No. 43305-

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	—	—	:	1927 -	<i>9/9</i>	<i>109438</i>
1923 -	—	—	:	1928 -	<i>9/14 *</i>	<i>110252</i>
1924 -	<i>10/4 *</i>	—	:	1929 -	<i>8/20</i>	<i>111536</i>
1925 -	—	—	:	1930	<i>8/25</i>	<i>112285</i>
1926 -	—	—	:	1931	—	—

Blossom dates: 1924 - *5/2*, full bloom - bloom light.
scious red " " *few clusters only*
3/27/09 7/8/09 1925 - *4/15*, " "
from E. D. 1926 - *4/30*, " "
Howe, 1927 - *4/26*, 20% buds open; *5/1*, full bloom.
Marlboro, Mass.

Remarks: * Notes indicate that specimens received in 1924 and 1928 under name *Garden Royal* appeared so unlike that variety that they must have been mislabeled. Notes below exclude these specimens. There is a possibility that the 2 trees were different. So far as recalled no check-up was ever made.

Characterization: Notes myself 1927. Medium size (though in 1931 they were reported as small but well developed and well colored and fine quality). Roundish, some specimens slightly flattened. Indistinctly ribbed. Ground color yellow - much discolored with medium deep red with indistinct streaking. Dots moderately numerous, large, russet, stalked. Entire surface covered with a coarse lenticular cracking. Core variable, sometimes medium in width and depth; other times narrow and contracted like *Reinhardt*; basin moderate depth, broad; eye large, open; calyx lobes reflexed. Flesh yellowish, grain somewhat coarse, looking in piece, mild subacid, rather rich, pleasant, good (over)

specimens submitted over 1/20/27,
and now or less should.
Texture is a little suggestive of a slightly
washed *Asua* *Pearsonii*. It was
suggested that if specimens were
in prime rating condition (not
overmatured) they would doubtless
be better in texture, quality and
in other respects.

Though the 1925 specimens were
considered incorrectly named, it was
noted that they were quite suggestive
of *Milium* — which may have
meant simply that they were so
much smaller that year than the
ordinary type that they were not
very much as *Garden Royal*.

Storage notes:

11/2/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal. *75% fallen*.

Habit of Growth: (Very upright) roundish broad flat spreading.
Central leader: (Partially retained) disappeared.

Branching:

Main limbs: Very medium (long) short; Very medium (slender)
stout; Medium (straight) crooked.

Secondary limbs: Numerous (medium) few: Medium (slender) stout;
Drooping.

Twigs: Many (medium) few; Medium (slender) stout; (Long) medium
short; (Straight) branched twiggy; Medium (open)
dense; Willowy.

Spurs: Very many (medium) few; (Very medium slender) stout;
(1/2 - 1 - 2) - 3 inch; Mostly branched (unbranched)

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium (slender open) dense stocky
grower; (Top round much broader narrower than tall)

Illustrations:

Tree photographed

Fruit painted *Several*

Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts:

*The slender upright growth and
slender main and secondary limbs
produce a tree of rather striking appearance.
Bach in Apple of New York describes the
tree as having a roundish head when full
grown. This raises a question as to whether we had
Garden Royal or something else.*

VARIETY APPLE ORCHARD

Arlington Farm

Variety: *Gascoyne*

Orchard location: Section *H* Row *25-26* Tree *2*

Arlington Accession No. *6576*

Pom. No. 40811

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>9/11</i>	<i>102480</i>	:	1927 -		
1923 -	<i>9/16</i>	<i>104037</i>	:	1928 -		
1924 -	<i>9/7</i>	<i>105261</i>	:	1929 -		
1925 -	—	—	:	1930		
1926 -	<i>9/11</i>	<i>107824</i>	:	1931		

Blossom dates: 1924

1925

1926

1927

Remarks: *According to B.P.P. Bul. 56 this is a Buys. Buchanan variety with no published description. He had it as Gascoyne Scarlet. Scions received 4/8/08 from H.C.B. Colvill Missoula, Mont.*

Characterization: *Basis of comparison is description of Pom. No. 377-39.*

Fruit size - sometimes large; roundish, somewhat truncate. Ground color pale yellow, pretty well overexposed with bright red, dots yellowish, some. What a rose, fruit conspicuous; a heavy purplish bloom. Core deep, abrupt; basin deep, broad, abrupt; flesh tinged yellow, fine grain, tender, fairly juicy, mild to slightly subacid, rather rich with flavor slightly suggesting McIntosh - and in some of its other characteristics. Considered pretty good - but with a suggestion that the flavor was delicate rather than of high quality.

27
Second sheet, Variety

Gascoyne

Storage notes:

Crop of 1926, Examined 11/4/26

Presumably held in cold storage
from soon after harvest Sept. 1, until
Nov. 4, but no specific statement as to treatment
received.

Somewhat past prime but still fairly good;
somewhat wilted. Flesh characteristics as
previously described. — fairly rich, pretty good.
Would undoubtedly have been better earlier
when in prime condition.

Vigor of Tree: Exceptionally strong average weak. Size:
Exceptionally large average small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish broad flat spreading.
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping.

Twigs: Many medium few; Medium slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many medium few; Very medium slender stout;
1/2 - 1 - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted *Several*

Fruit modeled

Fruit described [#] 37739

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD

Arlington Farm

Variety: Galato (Melo Galato)

Pomology No. 28435

Orchard location: Section 7

Row 1-2

Tree 4

Arlington Accession No. 4327

(See also nos. 4326 and 4328)

S.D.S. No. 9471

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<u>10/13</u>	<u>102845</u>	:	1927 -		
1923 -	<u>10/12</u>	<u>104266</u>	:	1928 -		
1924 -	<u>10/28</u>	<u>105790</u>	:	1929 -		
1925 -	—	—	:	1930 -		
1926 -	—	—	:	1931 -		

Blossom dates: 1924 -

1924

4/28, 20% buds open 1925 -

5/5 - full bloom 1926 -

1925 -

4/15, full 1927 -

bloom - producers.

Remarks:

Received, as were other numbers above mentioned 3/14/03 from Prof. Lavastano, Naples (Portici) Italy, through Lathrop and Fairchild. Fairchild says of it: Grows well in region about Naples. Does best in calcareous soils. In cold countries the yield is poor (see S.D.S. Inventory entry under S.D.S. No. 9471). Arlington trees probably propagated from nursery trees in Palermo 725.

Characterization:

1924 notes. Medium size or above.

Its general appearance is fairly suggestive of Winter Paradise. Flesh whitish, firm, fine, fairly tender, somewhat lacking in juice, very mild subacid, rather flat. Not much to it. In 1923 the note read: No good. water-soaked, subacid, flat. (over) (No 2nd sheet)

3/2/26 Tree large, strong, general
type similar to Northern Spy.
Upright, spreading; main
limbs stouter than Northern
Spy; wings slender, spurs
not numerous.

Neg. No. 44734 (root system)

Paintings: #30760 under Gelato

Description: #30760 " "

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Gem Sweet*

Orchard location: Section *G* Row *22* Tree *1*

Arlington Accession No. *6351*

Form. No. 40531

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>8/3</i>	—	:	1927 -		
1923 -	<i>8/14</i>	<i>103424</i>	:	1928 -		
1924 -	<i>8/29</i>	<i>105205</i>	:	1929 -		
1925 -	<i>7/29</i>	<i>106507</i>	:	1930		
1926 -	<i>8/27</i>	<i>107713</i>	:	1931		

Blossom dates: 1924- *5/2*, 90% buds open; *5/6*, past full. light bloom.
1925- *4/15*, 75% " " *4/30*, " "
1926- *4/30*, 90% " "
1927- *4/25*, buds pink; *5/1*, 85% buds open.

Remarks: Described in detail Report of the Pomologist for 1895. p. 23. From C. S. Scott, Links Grove, W. Va. Original tree then about 50 years old.

Seeds removed 3/13/08 from private collection of W. H. Brown, Eckington, The entry for No 40531 is followed by word - "retracted"

Characterization: Medium to good size, roundish conic, sometimes slightly oblong conic, ground color yellow, with few pale stripes and speckles, dots variable from season to season - numerous, sometimes irregular and recent making a coarse unattractive finish; sometimes round, medium size, yellowish and brownish, rather attractive. Core - ~~medium~~ *ruccated*, stem *3/4*" medium; basin rather shallow, fairly broad; calyx lobes rather small, eye closed. Flesh brightly tinged yellow, fairly fine grain some signs of maturity, but apt to be rather coarse, rather distinctly lacking in juice, apt to be mealy; sweet at its best fairly good with flavor suggesting Black Silliflower, but if a bit overripe, very dry and mealy. Picked *7/27/26* year *73*. Then considerably overripe, very dry and mealy; flesh brownish and broken down.

Second sheet, Variety

Gem Sweet.

274

Storage notes;

9/10/28

Vigor of Tree: Exceptionally (strong) average weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant (normal) scanty. Leaves: Very large
(medium) small; Color: Light dark normal.

Habit of Growth: Very upright (roundish broad flat spreading)
Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very medium long short; Very (medium slender)
stout; Medium straight (crooked)

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping.

Twigs: Many (medium) few; (Medium slender) stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many medium few; Very (medium slender stout);

1/2 - (1 - 2) - 3 inch; Mostly branched (unbranched)

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

*A moderately good, open center tree, latter probably
influenced by pruning.*

Illustrations:

Tree photographed

Fruit painted [#]106507

Fruit modeled

Fruit described [#]9681

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Grard

Orchard location: Section

I

Row

25-26

Tree

2

Arlington Accession No.

7194

Don. No. acc card number

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	—	—	:	1927 -		
1923 -	—	—	:	1928 -		
1924 -	<i>9/7</i>	<i>105264</i>	:	1929 -		
1925 -	—	—	:	1930 -		
1926 -	—	—	:	1931 -	<i>10/6</i>	<i>112328</i>

Blossom dates:

1924 - *no bloom*

1925 - " "

1926 - " "

1927 - *7/1, just beginning to leaf out - no record
any blossoms.*

Remarks:

rough record above indicates no bloom in 1924, there must have been a few blossoms as there is a picking - date for that year. Arlington acc. record missing. variety probably received in 1909, or more likely subsequent to that date. Apparently highly unproductive under Arlington conditions, at least until the trees attain considerable age. No evidence on this point.

Characterization:

1924. Noted as being a good sized apple, oblate, ground color yellowish green with some red striping; flesh firm, rather acid. In 1931 it was referred to as small, oblate, fairly bright red with indistinct stripes and heavy bloom; finish unattractive. No apparent value.

Second sheet, Variety

Gerard

276

Storage notes: 1931 crop. Held in office refrigerator until Jan. 27, 1932. Two of 6 fruits badly decayed, all badly wilted.

11/2/28

Vigor of Tree: Exceptionally strong (average) weak. Size: Exceptionally large (average) small.

Foliage: Very abundant (normal) scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat spreading. Central leader: (Partially retained) disappeared.

Branching:

Main limbs: Very medium (long) short; Very (medium) slender stout; Medium (straight) crooked.

Secondary limbs: Numerous (medium) few; Medium (slender) stout; Drooping.

Twigs: Many (medium) few; (Medium) slender stout; Long (medium) short; (Straight) branched twiggy; Medium (open) dense; Willowy.

Spurs: Very many (medium) few; Very (medium) slender stout; 1/2 - (1 - 2 - 3 inch); Mostly branched (unbranched); Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium (slender open) dense stocky grower; (Top) round much broader narrower than tall.

Suggested as a good tree to top graft - many limbs available for stubs to graft.

Illustrations:

Tree photographed

Fruit painted #10400 & 105264

Fruit modeled

Fruit described #10400

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Gideon

Orchard location:

Section *A*

Row

17-18 Tree *5*

Arlington Accession No.

1843

Pom. No. 24261

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	—	—	:	1927 ..		
1923 -	—	—	:	1928 -		
1924 -	<i>9/5</i>	<i>105165</i>	:	1929 -		
1925 -	<i>9/14</i>	<i>106792</i>	:	1930		
1926 -	—	—	:	1931		

Blossom dates:

1924

4/26, 35% buds open, 5% fruit full

1925

4/14, 80% " " ; 4/16, " "

1926

1927

Remarks:

Orchard and fruit data very limited.

scions from N.Y. Agr. Sta. 1902

Characterization:

1925 note. Specimens large for variety. Otherwise typical. Not much water corr. Typical breaking down in the corr.

Flesh yellowish, fine grain, fairly juicy, very mild subacid, rather pleasant but seemingly of little value.

3/4/26. Tree rather small - below medium, upright spreading; secondary branches small but well covered with short spars

neg. no. 44723

(over)

(no 23 sheet)

Paintings: [#] 16593
18097

scriptions: several

VARIETY APPLE ORCHARD
Arlington Farm

278

Variety:

Gideon Sweet

Orchard location: Section *A* Row *20* Tree *1*

Arlington Accession No. *1844*

Pom. No. 24262

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -			:	1927 ..		
1923 -			:	1928 -		
1924 -			:	1929 -		
1925 -			:	1930		
1926 -			:	1931		

Blossom dates: 1924

1925

1926

1927

Scions from N. Y. Gt. Sta 1902

Remarks:

Entered to account for the accession number and orchard location. Scions came from Geneva. Fruit was not sweet and other crosses involved.

In 1922 specimens were labeled Gideon.

Characterization:

Sweet, but in 1924, 5 & 6, they were labeled Blue Pearmain - which they were not. Identity never was determined. It has a medium sized, yellow with light red blush, mildly subacid but without much flavor and of no apparent value.

Painting #22638

Description: #22638

(no 2d sheet)

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Adams, John Quincy	1791-1848	Practical Education	1826
Adams, John Quincy	1791-1848	Practical Education	1826
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VARIETY APPLE ORCHARD
Arlington Farm

277

Variety: *Silmon*

Orchard location: Section *5* Row *22* Tree *2*

Arlington Accession No. *6353*

Pom. No. 40533

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -			:	1927 -		
1923 -			:	1928 -		
1924 -			:	1929 -		
1925 -	<i>7/21</i>	<i>106467</i>	:	1930		
1926 -			:	1931		

Blossom dates: 1924 - *5/2, full bloom. Bloom very light.*
scions supplied 3-13-05 from private collection of W. H. Arwing, Echington
 1925 - *4/15, part " " Few clusters only*
 1926 - *7/30, 90% buds open.*
 1927 - *4/20, first bloom; 7/25, 20% buds open; 5/1, 40% buds open*

Remarks: *1925 was the only year we had fruit specimens.*
Scions received March 13, 1905 from Col. Brackett. Pom. No. 40533.
Apparently listed at one time by the Franklin Davis Nursery Co.

Characterization: *1925 note. Medium size, roundish conic; ground color greenish yellow, some specimens more or less overspread with pink blush on exposed side, & also numerous whitish, inconspicuous, flesh whitish. Fine grain, tender, juicy, subacid, rich, pleasant with characteristic spiciness. Except that it is a little too acid it is a better eating apple than most varieties of its season.*

Description on file indicates this variety is same as Pearly White - with which I can not agree (H.S.).

Storage notes:

9/14/28. Tree is very poor and weak - too poor to be considered as in any degree typical of the variety. Apparently it has a poor root system. Not impossible it is a sprout from the root and the fruit observed in 1925, not the variety planted at all even though of rather high quality.

Vigor of Tree: (Exceptionally strong average weak. Size: Exceptionally large average small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish broad flat spreading. Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender stout; Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout; Drooping.

Twigs: Many medium few; Medium slender stout; Long medium short; Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very many medium few; Very medium slender stout; 1/2 - 1 - 2 - 3 inch; Mostly branched unbranched; Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted #106467

Fruit modeled

Fruit described #5212

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

251

Variety: *Gladstone*

Orchard location: Section *A* Row *19* Tree *1*

Arlington Accession No. *1845*

Form No 24263

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>7/20</i>	<i>101604</i>	1927 -		
1923 -	<i>—</i>	<i>—</i>	1928 -		
1924 -	<i>8/5</i>	<i>105050</i>	1929 -		
1925 -	<i>—</i>	<i>—</i>	1930		
1926 -	<i>7/21</i>	<i>107631</i>	1931		

Blossom dates: 1924 - *4/29, 50% buds open.*
 1925 - *4/13, 30% " " ; 4/6, little past full*
 1926 - *4/28, 40% " "*
 1927 -

Remarks: *Scions from N.Y. exp. sta. 1102*
Illustrated and described in Apples
of New York. discrepancies between that
description and characterization below raise
a question as to correctness of identity of these fruits.

Characterization: *Painting of variety made in 1922*
shows the form as oblate. 1926 characterization
indicates roundish or roundish conic. Medium
size or below; surface smooth with a distinct
grassy feel, regular; a thin white bloom.
Flesh yellowish, a little coarse, fairly tender;
juicy; rather sharply acid with a somewhat
astringent flavor. Not pleasant for eating
out of hand. Pretty acid even for cooking.
No room for such an apple.
Painting above mentioned shows color markings
— [well]

Second sheet, Variety Gladstone

Storage notes: According to Arlington acc. records and other notes Row tree 20 was Sidran (acc. no. 1844) and Row tree 19, Gladstone. Same. Now a Blue Pearmain label was placed on the trees. The following tree notes made 8/11/26 did not distinguish between the 2 trees in general characteristics although no. 20 was in bad condition.

8/11/26

Vigor of Tree: Exceptionally strong average weak. Size: " good. Exceptionally large average (small)

Foliage: Very (abundant) normal scanty. Leaves: Very large medium small; Color: (Light) dark normal.

Habit of Growth: Very (upright roundish broad flat spreading)
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very (medium slender) stout; Medium straight crooked.

Secondary limbs: (Numerous) medium few: Medium slender stout; (some limbs Drooping).

Twigs: (Many) medium few; Medium (slender) stout; Long medium short; Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very many medium (few) Very medium (slender) stout; 1/2 - 1 - 2 - (3 inch); Mostly branched unbranched;
Spur twigs: (Few) medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed Neg. No. 47861 (A:19; 2(?)

Fruit painted 10/5/26 ^{some not numbered} Fruit modeled

Fruit described none

Disease notes by J. W. Roberts:

Tree Row 20 is failing. - open center - either a good deal of sun scald or canker. At same former time trunk badly injured or diseased. Large bare place ^{several years old} on north side. No. 19 has had a bad place near the ground but seems healthy now.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Golden Beauty (Crab)*

Orchard location: Section *6* Row *3-4* Tree *2*

Arlington Accession No. *4951*

Four. 7/10. Apparently not recorded

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>9/23</i>	<i>102592</i>	:	1927 -		
1923 -	<i>10/4</i>	<i>104159</i>	:	1928 -		
1924 -	<i>10/14</i>	<i>105702</i>	:	1929 -		
1925 -	<i>9/15</i>	<i>106821</i>	:	1930		
1926 -	—	—	:	1931		

Blossom dates: 1924 *5/6. full bloom - light bloom*
1925 *4/13, first bloom: 7/18. 90% buds open.*
1926
1927

Remarks: 2 trees were received Apr. 1, 1905 from the Phoenix Nursery Co., Bloomington, Ill. apparently from note on Arlington accession card) from their novelty cooperative orchard. In 1923 (fruit label card) note is made of four No. 14006 where Dr. Taylor had penciled an impression.

Characterization: "small green fruit, perhaps *Golden Beauty*" whether this four entry refers to the receipt from Phoenix Nur. Co. is not clear.

In 1923, fruit was characterized as green, very grassy; oblong conic, extremely hard and astringent. In 1925, this was the comment: distinctly oblong conic (as it was in 1923 according to outline sketch made on back of label card). Below medium in size. Ground color dull golden yellow. Surface has a very grassy feel, typically hard and very puckery. (over) (no 25 sketch)

3/1/26

Tree medium size, rather upright
branches relatively little; secondary
branches no. med, many twigs /
which are slender; mostly small
slender spurs. Recumbent
limbs and twigs more
slender than most varieties.
Bark on larger limbs a
little rough.

Photo.

Reg. No. 44733 (roots)

6: 2:3 (?)

Paintings: none

Description: none

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Golden Medal

Orchard location:

Section

A

Row

20

Tree

3

Arlington Accession No.

1846

Pom. No. 24264

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	—	—	:	1927 -	<i>10/6</i>	<i>109643</i>
1923 -	—	—	:	1928 -		
1924 -	<i>10/8</i>	<i>105679</i>	:	1929 -		
1925 -	<i>10/16</i>	<i>107697</i>	:	1930		
1926 -	—	—	:	1931		

Blossom dates:

1924 -

4/29, 20% buds open.

1925 -

4/3, 25% " "

1926 -

no bloom

1927 -

Remarks:

*Illustrated and described in
apples of New York.*

Specimens received from N.Y. Agr. Sta. 1902

Characterization:

*Specimens presumed to be authentic.
Medium to large, roundish conic to slightly
oblate. Skin color yellow varying in shade,
probably with degree of maturity, slight blushing
(* indistinctly ribbed) on upper side same fruit.
a heavy white bloom; cavity fairly deep, medium
width - sometimes dark russeting in cavity;
stem 3/4" medium. Basin slightly ribbed; calyx
lobes moderately large, eye medium, closed. Scales
very numerous, mostly very minute whitish, but also
many small, brown, intermixed with others medium
size, pink and somewhat conspicuous. Flesh
yellowish, fairly fine grain, sometimes
(over)*

rather locking in piece, very readily
subacid if not sweet, pleasant but
still somewhat immature '9/8/24 and
'26/25.

Seeds exceptionally large.

See storage notes for
further statement re quality.

This variety quite closely
resembles Mammoth Skins
Golden and Yellow Skin (as
grown at Arlington) but
differences sufficient to
separate them.

Second sheet, Variety

Sadden Medal.

285

Storage notes:

Crop 1927. Stored Oct. 11.
out of storage 7/8/28. Exam. 7/13/28?

Good physical condition, possibly a little past prime eating condition. Moderately fine grain, - a little "grainy" - tender, looks juicy, mild subacid approaching neutral, rather flat, looks richness. fair in quality.

Vigor of Tree: Exceptionally strong average (weak) Size: Exceptionally large average small (Below medium)

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad (slightly flat, spreading).
Central leader: Partially retained disappeared.

Branching:

Smooth
Main limbs: Very medium long short; Very (medium slender stout); Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout; Drooping.

Twigs: Many medium few; Medium slender (stout); Long medium short; Straight branched twiggy; Medium open dense; Willowy. *Very little annual growth.*

Spurs: (Very many) medium few; Very medium slender stout; 1/2 - 1 - 2 - 3 inch; Mostly branched unbranched; Spur twigs: Few (medium) many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted #109643.

Fruit modeled

Fruit described *None*

Disease notes by J. W. Roberts:

Spurs numerous along the twigs; much spur twig growth; individual spurs not much branched.

VARIETY APPLE ORCHARD
Arlington Farm

284

Variety: *Golden Noble*

Orchard location: Section *H* Row *25-26* Tree *3*
Arlington Accession No. *6577* { See *Haddington* Acc No. *6589*
Tree No. 40812 { *H: 25-26: 5*

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>8/14</i>	<i>102261</i>	1927 -	—	—
1923 -	<i>8/13</i>	<i>103389</i>	1928 -	<i>8/9</i>	<i>110254</i>
1924 -	—	—	1929 -	—	—
1925 -	<i>8/7</i>	<i>106570</i>	1930	—	—
1926 -	<i>8/27</i>	<i>107794</i>	1931	—	—

Blossom dates: 1924 - *5/2, 20% buds open; 5/6, full bloom.*
conscious mid
1925 - *4/15, 40% " " ; 5/10, little past full.*
4/10/08 from
1926 - *4/20, center buds open.*
H. C. B. Gwill
1927 - *4/26, first bloom; 5/11, 30% buds open.*
Misses
Mont.

Remarks: *An English variety. In 1923 it was noted that Golden Noble as we have it is very close to, if not identical with Haddington which is localized at H: 25-26: 5. Acc No. 6589 (should apparently be spelled Haddington).*

Characterization: *Medium to large in size; roundish conic to oblate conic; smooth, regular. Skin color yellow - self colored, but considerable buttermilk overexposed. Dots variable, sometimes whitish, submerged, inconspicuous; some irregular, brownish and conspicuous. Core medium depth, fairly broad, some russeting; stem 1/2", rather slender. Basin very shallow, similar to smaller Banana. Flesh yellowish, texture inclined to be a little coarse, rather lacking in juice, inclined to meanness, tender, subacid - too short for eating out of hand, might be OK for cooking; not a dessert apple, at its best develops an attractive yellow apple*

Second sheet, Variety

Golden Noble.

Storage notes:

287

10/10/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
(Better than Exceptionally large average) small.

Foliage: Very abundant (normal) scanty. Leaves: Very large
medium small; Color: Light dark (normal)

Habit of Growth: Very upright roundish (broad flat spreading)
Rather low top Central leader: Partially retained (disappeared).

Branching: Base of secondary branches for long distance
Main limbs: Very medium long short; Very medium slender
(stout) Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout;
Drooping Main branches long, before 2d branches

Twigs: Many (medium) few; (Medium) slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium) few; Very (medium slender stout)
1/2 - (1) - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Stocky main limbs, with secondary branching high up -
Illustrations: late spreading top.

Tree photographed Neg. No. 50732

Fruit painted Several

Fruit modeled

Fruit described # 39506

Disease notes by J. W. Roberts:

288

Variety Apple Orchard
Arlington Farm.

Variety: Golden Pippin (one of the
syn. Howell)

✓ acc. No. 4307. E: 19-20:4

✓ " " 4308. E: 19-20:5

6321. S: 9-10:3.

— " " " see Howell. acc. No. 1872. B: 3-4:3

Much confusion exists regarding
the correct identity of these numbers.
Scions of the first 2 numbers were
received March 9, 1903 from G. S.

Swingle, Manhattan, Kansas

with a (?) as to the variety
being Golden Pippin. No. 4307
was recorded as Pom. No. 28390; No.

4308, as Pom. No. 28391. Why 2 lots

of scions of doubtful identity were
sent, photographed and planted in
the Arlington orchard is not clear.

Apparently in all of the fruit
records from the orchard. acc. No.
6321 gave the variety as Golden
Pippin but the Arlington accession
card record gives it as Porter, Pom.

No. 40455, scions from W. H. Town,
March 10, 1908. It may here be stated

that had this variety been Porter, I can
hardly escape the conviction that, in
the course of handling the specimens
during 6 or 7 seasons, I would

recognized it as such since I have been familiar with it from boyhood and am very fond of it, though it has apparently nearly, if not quite, passed out of existence. Have not seen a specimen for many years. The only question in my (H.S.) mind regarding recognizing this variety of grown at Arlington, concerns the place affect on the behavior of the apple. It is a northern variety - having originated about 1800 with Rev. Samuel Porter, Sherburne, Mass. Besides in various comments on this group of numbers they are compared with the Lowell, which they were believed to be.

The fruit and orchard notes are presented separately for each number on the attached sheets.

One other seriously confusing factor is that the name Golden Pippin has been applied to so many different apples. Any one of these numbers - or all of them - might be one of the Golden Pippins - but which one? B.P.S. Bul. 56 lists 4 different varieties for which this name is the accredited one, and some 10 or 11 varieties for which it is a synonym.

In 1925 an one of the specimen cards for No. 4308, ^{was noted} that all 3 of these numbers under (over)

the name Golden Pippin are
evidently Howell if B: 3-4: 3
is correctly identified.

See discussion of the various
Golden Pippins by Beards
in Apples of New York.

VARIETY APPLE ORCHARD
Arlington Farm

290

Variety: *Golden Pippin* ? (*Lowell* ?) *see below*

Orchard location: Section *E* Row *19-20* Tree *4*

Arlington Accession No. *4307* (*Pom. No. 28390*)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -			1927 -	<i>8/18</i>	<i>109337</i>
1923 -			1928 -		
1924 -			1929 -		
1925 -			1930		
1926 -	<i>8/27</i>	<i>107759</i>	1931		

Blossom dates: 1924 - *5/6*, full bloom - bloom light.
1925 - *7/14*, 25% buds open; *7/20*, full bloom but still few buds.
1926 - *7/30*, center buds open.

1927 -
Remarks: Received as scions marked *Golden Pippin* ? on March 9, 1903 from C. S. Swingle, Manhattan, Kans. as was acc. No. 4308, E: 19-20: 5. It was noted on the specimen card in 1927 that the fruit of this No. (4307) and B: 3-4: 3, supposed to be and probably was *Lowell* appeared to be identical. *Golden Pippin* is a syn. of *Lowell* (S.P. Bul. 56)

Characterization: 1926 notes. Size medium, roundish conic, some specimens being slightly elongated; smooth, except slight ribbing, regular! Skin color yellow - self-colored with no suggestion of red markings. Stots rather scattered, some moderately large, quite conspicuous, yellowish. Flesh tinged yellow, moderately fine grain, slightly lacking in juice, mild subacid, rather flat, though not unpleasant. Lacks richness, hardly fair in descent quality. In appearance, rather attractive for a yellow apple.

* *Am Jour Entry* for "28390" reads: "These scions may be *Golden Pippin*"
" " " " "28391" " "These scions probably are *Golden Pippin*"

Second sheet, Variety

Golden Pippin

291

Storage notes:

Acc. No. 4301

(good) *1/27/28*

Vigor of Tree: [^] Exceptionally strong average weak. Size: Exceptionally large average (small)

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish broad flat spreading. Central leader: Partially retained disappeared.

Branching:

well branched

Main limbs: Very medium long short; Very (medium slender stout); Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout; Drooping.

Twigs: (Many) medium few; (Medium slender) stout; Long (medium short); Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very many (medium few); Very (medium slender) stout; 1/2 - 1 - 2 - 3 inch; (Mostly branched unbranched) Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

Illustrations:

Somewhat suggestive of York Imperial
Tree photographed Neg. No. 49006

Fruit painted #266464-30398 Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

292

Variety:

Golden Pippin (?) Lowell (?)

Orchard location: Section

E

Row

19-20

Tree

5-

Arlington Accession No.

4308

(*Pam. No. 28391*)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	—	—	1927 -	—	—
1923 -	<i>8/23</i>	<i>103390</i>	1928 -	—	—
1924 -	—	—	1929 -	—	—
1925 -	<i>8/7</i>	<i>106571</i>	1930	—	—
1926 -	<i>8/17</i>	<i>106582</i>	1931	—	—

Blossom dates: 1924

*1924- 5/11, first bloom
5/16, 40% buds open
1925, 4/9, first bloom
4/10, full bloom*

See remarks under acc. No. 4308. E: 19-20: 4, attached.

In 1923 it was noted on specimen card that this variety was the same as G: 9-10: 3 -

Remarks:

a large greenish yellow of pretty fair dessert quality. Reported in 1925 with statement that both were identical with B: 3-4: 3 which is supposed to be, and likely is, Lowell.

*Source of scions same as #4307! (see * it note for acc. No. 4307)*

Characterization:

1925 notes. In general size and form this apple suggests a rather large Grimes Golden. Skin color green (probably not fully mature when it would doubtless have been yellow). Stems light colored, numerous, indistinct, submerged. Flesh yellowish, fairly fine grain. Tender, juicy, subacid flavor - a little peculiar but pleasant.

Has some of the characteristics of Iowa Beauty of about same season, though these two varieties are clearly distinct. (no 2nd sheet)

3/3/26

Tree strong, healthy, vigorous,
but medium sized; bark
on trunk and limbs rather
rough, fissured, spreading
upright, reddish-brown,
transverse - normal;
many small twigs,
very few spurs.

High. No. 44674

VARIETY APPLE ORCHARD
Arlington Farm

293

Variety:

Golden Pippin ? (Howell ?)

Orchard location: Section *5* Row *9-10* Tree *3*

Arlington Accession No. *6321* (Pam. No. *40485*)

Pam. No.

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>8/10</i>	<i>102244</i>	1927 -	—	—
1923 -	<i>8/13</i>	<i>103391</i>	1928 -	<i>8/9</i>	<i>110255</i>
1924 -	<i>8/29</i>	<i>105199</i>	1929 -		
1925 -	—	—	1930		
1926 -	<i>8/27</i>	<i>107760</i>	1931		

Blossom dates: 1924 - *5/2, 25% buds open; 5/6, full bloom - light.*
icious from
Mr. Irvine 1925 - *4/30, full bloom - few centers only.*
3/10/08
 1926 - *4/30, center buds open.*
 1927 - *4/25, buds just showing pink; 5/1, 20%*

Remarks: *Arlington Acc. No. 6321, should be according to the record Porter - which it surely is not. All of the fruit specimens from Arlington (listed above) were labeled Golden Pippin when the name Porter was dropped from the records is quite uncertain. Question regarding*

Characterization: *Correct identity was raised the first year (1922) and each year thereafter - but with the conclusion as stated on the cover sheet herewith that this and the others of this group were all Howell if B: 3-4: 3 (acc. No. 1572) is correctly identified. (Pam No. 24290 from Geneva)*

Characterization: *1924 notes. Medium size. Skin color golden yellow in some cases but most specimens are greenish yellow (maturity?). Flesh tender, middle subacid, rather flat and of indifferent quality.*

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6. [illegible]

7. [illegible]

8. [illegible]

9. [illegible]

10. [illegible]

11. [illegible]

12. [illegible]

Second sheet, Variety

Golden Pippin ?

Storage notes:

Acc. No. 6321. 5:9-10:3

9/18/28

Vigor of Tree: Exceptionally ~~strong~~ ^(better than) average weak. Size:
" *Good* Exceptionally large [^] ~~average~~ small.

Foliage: Very ~~(abundant)~~ normal scanty. Leaves: Very large
(medium) small; Color: Light dark normal.

Habit of Growth: Very upright (roundish ~~broad-flat~~ ^{somewhat} spreading)
Central leader: (Partially retained) disappeared.

Branching: *Smooth*

Main limbs: Very medium long short; Very (medium slender)
stout; Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping. *well branched*

Twigs: (Many) medium few; Medium (slender) stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium) few; Very medium slender stout;
(mostly 1/2) - (1-2) - 3 inch; Mostly branched unbranched;

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky (see below)
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed *Aug. No. 50720*

Fruit painted *#266464-30398* Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts:

*Some leaf spot. because of the
very large bearing surface, yet top is not dense
innumerable branches, the slender twigs give a rather light
and open effect.*

VARIETY APPLE ORCHARD
Arlington Farm

295

Variety: *Golden Reinette*

Orchard location: Section *A* Row *19-20* Tree *4*

Arlington Accession No. *1847*

Pom. No. 24265

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>7/21</i>	<i>101615</i>	:	1927 -		
1923 -	—	—	:	1928 -		
1924 -	—	—	:	1929 -		
1925 -	—	—	:	1930		
1926 -	<i>8/9</i>	<i>102701</i>	:	1931		

Blossom dates: 1924 - *4/26, full bloom*
 1925 - *4/13, " very light bloom*
 1926 - *7/28, part full " , nearly 1/2 petals off.*
 1927 -

Remarks: Received in 1902 from Geneva N.Y.
Pom. No. 24265.

Fruit was marked "incorrect" both years we had specimens. But by reference to Brecher's description and comments in *Apples of New York*, it now (*7/19/42*) seems reasonably certain that we had the variety described by Brecher. It was probably "ruled out" as incorrectly named because of the red striping which did not seem consistent with the name.

Characterization:

1926 notes. Suggestive of Goldenburg type in size, form and other external characters. Ground color greenish yellow, partly well covered with bright red stripes and a fairly heavy purplish bloom, making an attractive appearing fruit in case of better colored specimens. (over)

Flesh lightly tinged yellow, fairly
fine grain, crisp, tender, subacid,
quite pleasant but no very
characteristic flavor. Would
probably cook well.

Storage notes:

1/5/28

Vigor of Tree: Exceptionally strong average (weak) Size:
Exceptionally large average (small)

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat spreading.
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very (medium slender
stout); Medium straight crooked. *Smooth*

Secondary limbs: Numerous medium few: Medium slender stout;
(Drooping)

Twigs: Many medium (few) Medium slender (stout) Long medium
(short); Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium) few; Very medium slender (stout)
(1/2 - 1 - 2) - 3 inch; Mostly branched (unbranched)

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Secondary branches stand out straight - which
Illustrations: *needs reconciling with drooping as above*
Tree photographed neg. no. 47870 *stated.*

Fruit painted *none*

Fruit modeled

Fruit described *none*

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Golden Russet*

Orchard location: Section *A* Row *19-20* Tree *5*

Arlington Accession No. *1848*
Pom. No. 24266

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/23</i>	<i>102609</i>	1927 ..		
1923 -	<i>9/28</i>	<i>104154</i>	1928 -		
1924 -	<i>10/8</i>	<i>105680</i>	1929 -		
1925 -	—	—	1930		
1926 -	<i>10/13</i>	<i>108307</i>	1931		

Blossom dates: 1924 - *4/26, 25% buds open; 4/29, full bloom*
11.7. Sta 1925 - *4/14, full bloom*
1402 1926 - *4/28, " "*
1927 - *4/12, 20% buds open.*

Remarks: *Notes on fruit all are 1926 crop, including storage fruit examined in March 1927. The gist of the notes concerns the similarity of this fruit to Whitney Russet with query as to whether*

Characterization: *The 2 varieties as grown at Arlington are not identical. In 1926 the specimens examined averaged a little smaller than Whitney Russet. Russeting a little coarser and rougher than Whitney Russet. Dots about same as Whitney. Flesh is yellowish, fairly fine grain, fairly juicy, rather breaking, mild subacid, does not seem as rich and as high quality as Whitney and is not keeping as well as Whitney. (A good many specimens show decay and spots occur that look like bitter rot infections)*

Second sheet, Variety

Golden Russet

298

Storage notes:

Stand Oct 26, out 7/8/27, ripen. 3/16/28
In office refrigerator meanwhile. Badly decayed
only 2 specimens remaining. They are very close
to Whitney Russet as we have it in all preserved
appearances, there is a decided difference in keeping
quality, specimens of Whitney have held up well so far as
decay is concerned. In form, color, basin, calyx,
flesh, flavor and in other respects the 2 varieties
are very close at least. May be slight differences in
dots but specimens numbered are too few to give a
final decision. The only tangible difference that can
be characterized is in the keeping quality.

Vigor of Tree: Exceptionally strong average weak. Size:

Exceptionally large (average) small.

Apparently good vigor at first but much depleted in recent years.

Foliage: Very abundant normal scanty. Leaves: Very large (see below)
medium small; Color: Light dark normal.

Habit of Growth: Very (upright roundish broad flat spreading).
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very (medium slender)
stout; Medium straight crooked.

Secondary limbs: Numerous medium few: Medium (slender) stout;
Drooping.

Twigs: Many medium (few) Medium (slender) stout; Long medium
(short); Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium few) Very (medium slender stout)
1/2 - (1 - 2) - 3 inch; Most (unbranched) unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed Neg. No. 47871

Fruit painted Several

Fruit modeled

Fruit described Several

Disease notes by J. W. Roberts: One tree is dead; other one
has lost several branches and others are in bad condition.
Something has killed the bark, beginning on the
S.W. side of the limbs, making bark rough. Trouble
has not extended into the wood. Recent years these
limbs have been much exposed, but it seems
doubtful if trouble is sun scald. Likely a disease
of same sort.

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF CHEMISTRY

REPORT OF THE
COMMISSIONERS OF THE
LAND OFFICE
IN RESPONSE TO
A RESOLUTION OF THE
HOUSE OF REPRESENTATIVES
PASSED MAY 10, 1890
RELATIVE TO THE
LANDS BELONGING TO
THE UNITED STATES
IN THE TERRITORY OF
ARIZONA
AND
THE TERRITORY OF
NEW MEXICO
AND
THE TERRITORY OF
UTAH
AND
THE TERRITORY OF
IDAHO
AND
THE TERRITORY OF
MONTANA
AND
THE TERRITORY OF
WYOMING
AND
THE TERRITORY OF
NEBRASKA
AND
THE TERRITORY OF
KANSAS
AND
THE TERRITORY OF
OKLAHOMA
AND
THE TERRITORY OF
INDIANA
AND
THE TERRITORY OF
ILLINOIS
AND
THE TERRITORY OF
MISSOURI
AND
THE TERRITORY OF
ARKANSAS
AND
THE TERRITORY OF
LOUISIANA
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THE TERRITORY OF
ALABAMA
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THE TERRITORY OF
GEORGIA
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FLORIDA
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LOUISIANA
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MISSISSIPPI
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THE TERRITORY OF
ALABAMA
AND
THE TERRITORY OF
GEORGIA
AND
THE TERRITORY OF
FLORIDA

100

100

VARIETY APPLE ORCHARD
Arlington Farm

299

Variety: *Golden Sweet*

Orchard location: Section *A* Row *21-22* Tree *1*

Arlington Accession No. *1849*
Perm. No. 24267

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	—	—	1927 -	<i>8/4</i>	<i>109231</i>
1923 -	<i>8/2</i>	<i>103379</i>	1928 -		
1924 -	—	—	1929 -		
1925 -	—	—	1930		
1926 -	<i>7/21</i>	<i>107632</i>	1931		

Blossom dates: 1924 - *4/26, 25% buds open; 4/30, Full bloom*
1925 - *4/3, 90% " "*
1926 - *4/28, Full bloom.*
1927 - *4/12, 20% buds open.*

Remarks: *Scions from N.Y. Agr. Sta 1902*

Characterization: *Size medium and above; roundish; smooth except for indistinct ribbing. Skin color deep yellow when fully ripe but green predominates until very ripe; self-colored; dots variable with seasonal conditions; in 1926 they were numerous, suppressed, whitish, moderately large and quite conspicuous; in 1927 they were brownish; same revealing in cavity; stem 3/4" to 1" or more, slender. Flesh tinged yellow, only moderately fine grain, fairly tender, somewhat lacking in juice; sweet, lacks richness, rather flat; quality too poor to be of much value. Becomes mealy when slightly overripe.*

Second sheet, Variety

Soldan Sweet

300

Storage notes:

8/13/26

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very (abundant) normal scanty. Leaves: Very large
(medium) small; Color: (Light) dark normal.

Habit of Growth: Very (upright roundish) broad flat spreading.
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender
(stout); Medium straight crooked.

Secondary limbs: (Numerous) medium few: Medium slender stout;
Drooping.

Twigs: Many medium few; (Medium slender stout) Long medium
short; Straight branched twiggy; Medium open
dense: Willowy. (*Good vigor*)

Spurs: Very (many medium) few; Very medium (slender) stout;
(1/2 - 1) - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few (medium) many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Good vigor; good type; no outstanding characteristic

Illustrations:

Tree photographed *Aug. No. 47876; also 8:12:4 Aug. No. 44737*

Fruit painted *Several*

Fruit modeled

Fruit described *# 34478*

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD

Arlington Farm

Variety:

Grand Sultan
yellow Transparent
Yellow Summer Pearmain (Porter)

Orchard location: Section *B* Row *11-12* Tree *4*

Arlington Accession No. *6328*

Pom. No. 40494

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>7/10</i>	<i>101544</i>	1927 -	—	—
1923 -	<i>7/6</i>	<i>103360</i>	1928 -	<i>7/24</i>	<i>110191</i>
1924 -	—	—	1929 -	—	—
1925 -	<i>7/11</i>	<i>106476</i>	1930	—	—
1926 -	—	—	1931	—	—

Mr. Irvine listed it as Yellow Summer Pearmain

Blossom dates: 1924 - *5/2*, full bloom - very light bloom.

acc. from
Mr. Irvine 1925 - *4/15*, " " ; only 1 or 2 clusters

3-10-08
private
collection at 1926 - *4/30*, " " ;
Arlington 1927 - *4/25*, first " ; *5/1*, full bloom - scattered.

Remarks: There is so much confusion in this case that the few notes are worthless. Record is here made merely to account for the accession number and the tree location.

The fruit specimens in 1922 & 1923 were labeled *Grand Sultan*; in 1925 & 1928, *yellow Transparent*.

Characterization:

However, the Arlington Accession Card record indicates that acc. No. 6328 should be *yellow Summer Pearmain* - which name appears in B.P.D. Bul. 56 only as a synonym of *Porter*. How it happened, or by whose approval, the acc. No. name was dropped and the name *Grand Sultan* substituted is now unknown (*7/14/2*). In 1923, Mr. Brunk (or possibly Chase), entered on the fruit specimen label - "This and *yellow Transparent* seem identical". The next 2 lots of fruit (1925 & 1928) from Arlington were labeled *yellow Transparent*. (cont on next page).

No painting or description
in file of yellow Summer
Pearmain

Second sheet, Variety

Grand Sultan et als. 302

Storage notes:

on the 1925 label, marked yellow transparent, I endorsed simply the statement "apparently OK and typical of the variety".
Seemingly I took the label at face value and considered the specimens to be yellow transparent. However, as a result of my examination of the 1928 specimens, I noted (not going back of the 1922 specimen label) "originally reported as Grand Sultan, which I am inclined to think it is. Fruit averages larger

Vigor of Tree: Exceptionally strong (average) weak. Size: Exceptionally large (average) small.

(continued on reverse side of sheet)

Foliage: Very (abundant) normal scanty. Leaves: Very (large) medium small; Color: (Light) dark normal.

Habit of Growth: Very (upright) roundish broad flat (spreading slightly)
Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very medium long short; Very (medium slender stout) Medium straight crooked.

Secondary limbs: Numerous medium few: (Medium) slender stout; Drooping. Well branched, limbs rather crooked.

Twigs: Many (medium) few; Medium slender (stout); Long medium short; Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very many (medium) few; Very medium slender stout; 1/2 - (1 - 2 - 3 inch); Mostly branched unbranched; Spur twigs: (Few) medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

Though medium in size, tree does not lack vigor. (below)

Illustrations:

Tree photographed

Fruit painted

Grand Sultan #41214
101543

Fruit modeled

Fruit described

Several (Grand Sultan)

Disease notes by J. W. Roberts:

The main features are the sturdy, stocky upright growth and the relatively light color of foliage.

than yellow transparent, but otherwise it seems indistinguishable from it, although it possesses some of the characteristics common associated with Grand Sultan. It would be exceedingly difficult, however, to separate specimens of the two varieties, if this is "Grand Sultan". — This perhaps would be true of any 2 lots of authentic specimens of these 2 varieties, since they are no doubt very closely similar.

That the original Arlington acc. No. record as yellow Summer Pearmain was correct seems entirely doubtful — if the name in this case was used for Porter. It does not seem either probably or possible that I would have handled the specimens for 4 different seasons without detecting Porter characteristics, being quite familiar with that variety. The scions as per the record, were received from Mr. Brown March 10, 1905 and recorded as Pom. No. 40494.

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Granny Smith

Orchard location: Section

F

Row

11-12

Tree

3

Arlington Accession No.

4362

S.P.F. #6738

Pom. No. 28458

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	10/26	102883	1927 -	10/6	109644
1923 -	11/8*	104358	1928 -	10/23	110717
1924 -	10/28	105994	1929 -	—	—
1925 -	—	—	1930 -	10/18	—
1926 -	11/1	108483	1931 -	—	—

Blossom dates: 1924 - 4/28. 25% buds open; 1/2 full bloom
 seems for these trees
 were cut from 1925 - 4/14. full bloom
 nursery trees on
 The Flats - these
 recorded as Pom.
 No. 21718 1926 - 4/29. 75% buds open.
 1927 -

Remarks: * This was the last picking of the season in 1923.
 This variety is S.P.F. No. 6738 received June 19,
 1901, from C. A. Nobilis, Emerald, Victoria.

Characterization: Good size, above medium to fairly large. Form in general roundish but variable, slightly conic, sometimes slightly oblong; in 1930, a tendency to oblateness; sometimes has a little irregularity. Skin color greenish until late and full maturity reached then yellowish, sometimes a little bluish or bronzing on exposed side or about base. Usually some flecking or wash of gray overspread. Spots widely variable; may be whitish, submerged, inconspicuous; some, especially on sides may be large, pale yellow, conspicuous; sometimes may appear as pinkish specks; many specimens, especially the larger fruits, and in some seasons more than others are raised into pimples similar to those characteristic of Twenty-Ounce. Same seasons surface is smooth, and free of these pimples (over)

Cavity deep, broad; sometimes saucer shape like Rome Beauty cavity, but usual it is moderately deep and moderately broad. Stem about 1", slender.

Basin also variable; in smaller fruit it is medium in depth and width, slightly wrinkled. In larger fruits it is also deep and rather broad and sides abrupt. Sepals exceptionally long, mostly cover eye closed.

Flesh, very lightly tinged yellow, somewhat salicy, fairly fine grain, at this time ($11/20$) firm, hard, quite juicy, sharply acid; too immature for quality ratings.

tr Core, medium size, distinctive in form in that top (side towards base) and bottom (side towards apex) lines are nearly parallel one with other sides are arcs & circles. Core is closed; carpels medium size, seeds medium size, rather plump, dark brown.

See storage notes for further quality ratings.

Second sheet, Variety

Graamy Smith

304

Storage notes: 1926 crop. Picked 11/1. In office refrigerator till examined 12 1/2. Kept remarkably well, considering conditions under which held. A little shriveling of skin otherwise in excellent condition. Ground color developed to a rather rich yellow, fairly fine grain, crisp, breaking, juicy, mild subacid, pleasant but only fairly good in quality. Crispness of texture and abundant juice give it a refreshing effect even though not high quality. Though flesh for most part is in good condition there is a little crowning within.

Vigor of Tree: Exceptionally strong average weak. Size: The core
Exceptionally large average small. Lines, —

Foliage: Very abundant normal scanty. Leaves: Very large (over)
medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish broad flat spreading.
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender stout; Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout; Drooping.

Twigs: Many medium few; Medium slender stout; Long medium short; Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very many medium few; Very medium slender stout;

1/2 - 1 - 2 - 3 inch; Mostly branched unbranched;

Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted Several

Fruit modeled

Fruit described None

Disease notes by J. W. Roberts:

subject to bitter rot.

inferior quality, no fruit - note
- from new tree - a fairer
stocky, stocky tree, but not
a large tree.

Storage notes - continued

1927 Crop. Picked $\frac{10}{6}$; out of storage $\frac{7}{27/28}$; exam. $\frac{3}{3/28}$. Excellent condition; free from scald; prime rating. condition. Grain a little coarse, but crisp, brash good body, juicy, mild subacid. Flavor slightly characteristic but may have been absorbed from vegetables stored with it. While not rich, it is pleasant. Probably should be rated good. It is now in better condition for eating, and better in growth than usually observed in previous years.

1928 Crop. Picked $\frac{10}{23}$; stored $\frac{10}{27}$; out $\frac{3}{19/29}$ in office refrigerator until exam. $\frac{4}{4/29}$. Excellent physical condition so far as firmness is concerned; some specimens badly scalded superficially; some show very little or no scald. Scald developed mostly soon after taken from storage. As above noted, crispness of flesh and juiciness make it a pleasing apple though no over pronounced flavor - delicate and pleasant - mild subacid. ^{Better than varieties in the} June 4, 1929. (In fine refrigerator since $\frac{4}{5/29}$?) All specimens now more or less decayed, and a good deal of shriveling. Trace of flavor is gone - just a plain mildly acid flavor.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Gravenstein*

Orchard location: Section *J* Row *23-24* Tree *5*

Arlington Accession No. *8582*

Pom. No. *46745*

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>7/26</i>	<i>101632</i>	1927 -	<i>8/15</i>	<i>109271</i>
1923 -	<i>8/4</i>	<i>103381</i>	1928 -	<i>8/4</i>	<i>110256</i>
1924 -	—	—	1929 -	<i>7/29</i>	<i>111204</i>
1925 -	<i>8/17</i>	<i>106589</i>	1930 -	—	—
1926 -	<i>7/9</i>	<i>107702</i>	1931 -	<i>8/25</i>	<i>112286</i>

Blossom dates: 1924 - *5/2* full bloom

see over for source 1925 - *4/15* " "

1926 - *5/3* past "

1927 - *4/16* 20% buds open - very light bloom.

1928 - *4/20* first bloom; *4/26* 50% buds open.

Remarks:

apparently the sum. total of the fruit observations indicate that Gravenstein is not well adapted to the conditions at Arlington. Some seasons the fruit - apparently was excellent but in too large a proportion of the seasons the

Characterization:

fruit developed poorly and atypically
1929 Notes. This seemed to be a *Gravenstein* year. It was noted that the specimens were probably the best of any that had come from Arlington in any year. Good size, pretty well finished. Form typical of the variety, surface somewhat irregular. Ground color yellow with a small amount of characteristic striping - Caution variable, from rather narrow and moderately deep, to rather shallow; stem $\frac{1}{4}$ " to $\frac{1}{2}$ ", commonly clubbed. Basin moderately deep and variable from rather narrow and abrupt to rather broad. Flesh yellow, fairly fine grain.

[Calyx lobes medium size, converging; eye (over) closed]

good body, tender, quite juicy, mild
subacid, fair rich, good. It was held
that "probably" it [this variety] does not reach
at the best ^{here} its highest quality.

In 1931 there were some excellent
specimens, beautifully shaped.

On Aug. 14, 1926, it was observed that the
specimens looked as if picked too immature (they
were picked July 9, earlier than in any other year
in the record) ground color was greenish and
unattractive. comment to the effect that the
appearance of the fruit did not indicate the
variety to be adopted here. In 1928,

most of the specimens were oblate in
form, and looked most of the
characteristics of the variety.

Pam. No. 46745 - records receipt 7/20/10
of skins of *Gravimaria* from
R. A. Banks, Waterville, N. S.

Second sheet, Variety *Gravastine*.

306

Storage notes:

11/15/28

Vigor of Tree: Exceptionally (strong) average weak. Size:
Exceptionally (large) average small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal *Mostly of this date.*

Habit of Growth: Very (upright roundish) broad flat spreading.
Central leader: (Partially retained) disappeared.

Branching:

Main limbs: Very medium (long) short; Very (medium) slender
stout; Medium (straight) crooked.

Secondary limbs: Numerous (medium) few: (Medium) slender stout;
Drooping.

Twigs: Many medium (few) (Medium) slender stout; Long (medium)
short; (Straight) branched twiggy; Medium (open)
dense; Willowy.

Spurs: Very many (medium) few; Very (medium) slender stout;
(1/2 - 1 - 2 - 3 inch); Mostly branched (unbranched);

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: (Medium slender (open) dense (stocky)
grower; Top (round) much broader narrower than tall.

A good, clean, strong tree with moderate amount of bearing - surface.
Illustrations:
Tree photographed

Fruit painted *Several*

Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Gravenstein — Seedling of.

Orchard location:

Section

D

Row

17-18

Tree

5

Arlington Accession No.

3113

Pom. No. 24559

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	8/10	—	1927 -	8/19	109338 *
1923 -	8/23	103844	1928 -	—	—
1924 -	—	—	1929 -	—	—
1925 -	8/21	106626	1930	—	—
1926 -	8/27 *	107855	1931	—	—

Blossom dates: 1924

scions from
J.E. Bernick
Arrows, Mo.
4-7-02

* In 1923, someone, probably Mr. Brunk, called attention to the specimen labels that the fruit from acc. No. 3103, D:15:1 and acc. No. 3113 appeared to be identical. I (H.S.) confirmed this observation. The specimens of

Remarks:

No. 3103 were labeled Suttou. How that name happened to enter the records, is a mystery now (1/4/42) — apparently just an unaccountable error. According to the Arlington Acc. record card, acc. No. ³¹⁰³ should be Northern Spy. As a matter of fact the orchard record shows that tree D:16:1

Characterization:

is Northern Spy, acc. No. 3103, while an examination of the fruit of tree Row 15 of this pair of trees showed it to be Gravenstein — Seedling of — and presumably acc. No. 3113. The connection seems reasonably clear from a review of the records. They show that scions of both this Seedling of Gravenstein (acc. No. 3113) (Pom. No. 24559) and of Northern Spy (acc. No. 3103; Pom. No. 24556) were received on Apr. 7, 1902 (over)

from J. E. Bennoch, Arrows Maine.

The mixing of trees of acc. nos. 3103 and 3113, ^{the source of which} came from the same source is not difficult to explain, but as already said, the introduction of the name Sultan for specimens of acc. No. 3103 is not explainable.

Characterization of Gravastium - seedling

Size fairly good, roundish, some specimens slightly conic, regular, smooth except over indistinct ribbing sometimes. Ground color yellow, more covered with bright red stripes, merging into nearly a solid red in some places. General make-up it is suggestive of Gravastium but the coloring tends to a more nearly solid red. Cavity rather narrow, stem very short; base medium; flesh yellowish, fine grain, under, not as rather dry in 1820 but in 1827 as "juicy, mild subacid, pleasant, fairly good but not up to Gravastium at its best by considerable". In 1820, it was regarded as not of value so far as the fruit was concerned.

Pamting, Home

VARIETY APPLE ORCHARD
Arlington Farm

Variety: Greenville

Orchard location: Section F Row 21-22 Tree 5

Arlington Accession No. 5202 (See Acc. No. 1852 -
Pom. No. apparently not recorded. A: 21-22: 3 - also Greenville

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	—	—	:	1927 -	9/22	109474
1923 -	10/4	—	:	1928 -		
1924 -	—	—	:	1929 -		
1925 -	9/5	106135	:	1930		
1926 -	9/4 10/1	108308	:	1931		

Blossom dates: 1924, 4/20, first bloom; 5/6, full bloom - very light.
1925, 4/15, 90% buds open; 4/30, past full.
1926, 4/30, 75% " "
1927

Remarks: Scions from E. M. Buechley Nur. Co.
Greenville, Ohio - March 18, 1906.

In 1926 it was noted that while some varieties were not coloring well and were finishing with a rough, coarse appearance, this variety had developed an unusual amount of blush. Best colored fruits having a pronounced, light wash of red on the exposed side.

Characterization: Above medium in size, roundish varying slightly from somewhat oblate to conic. Ground color yellowish, some fruits showing slight blush on exposed side. Dots numerous, especially about apex, mostly inconspicuous, appearing as minute light spots beneath the surface; a few scattered brownish dots. Flesh yellowish, fine grain, breaking, juicy tender, fairly juicy, subacid to mildly subacid when fully ripe; fairly good but with no distinctive flavor, (and apparently with no pronounced whist. (over)

In 1927-sept. 26, the following *Caninus*
and observations were recorded: Probably
specimens are better finished and have
developed more bluish than usual. At
least it makes a rather attractive ^{yellow} bluish
apple. Some specimens resemble
Winter Banana considerably, but a
lot they have a deeper basin than
Winter Banana has. In shape
Greenville is nearly round as a rule
while Winter Banana is usually
roundish conic or a little oblate.
Greenville may, or may not, have a set in
the cavity. It would not be difficult to
confuse individual specimens of
Greenville and Winter Banana, so
far as appearance is concerned. Seeds
are not as numerous as in Winter
Banana commonly, and they are larger
and longer than Winter Banana seeds.
Winter Banana seeds are short and plump
of Greenville. They are large and so
rounded.

Second sheet, Variety

Greenwill

309

Storage notes:

Acc. No. 5202 (7:21-22:5)

Crop of 1926. Out of storage 7/25/27. Exam 7/28/27.

Have kept in excellent condition so far as appearance is concerned. Flesh yellowish; grain a little coarse, tender, fairly juicy, slightly rather mild subacid, not especially rich but pleasant; fairly good. While texture is fairly good there is a suggestion of mealiness.

Vigor of Tree: Exceptionally strong average weak. Size: Exceptionally large average small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish broad flat spreading. Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender stout; Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout; Drooping.

Twigs: Many medium few; Medium slender stout; Long medium short; Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very many medium few; Very medium slender stout; 1/2 - 1 - 2 - 3 inch; Mostly branched unbranched; Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed Neg. No. 49012

Fruit painted

Several

Fruit modeled

Fruit described [#]10766

Disease notes by J. W. Roberts:

Aug. 10, 1921.

Dr.

Roberts included Greenwill (acc. no.) in a list of varieties showing not stated but not.

VARIETY APPLE ORCHARD
Arlington Farm

310

Variety: Greenville

Orchard location: Section A Row 21-22 Tree 3

Arlington Accession No. 1852 (see acc. No. 5202.
Penn. No. 24270 (7: 21-22:5 - also Greenville)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	9/28	102649	1927 -		
1923 -	9/15	104019	1928 -		
1924 -	9/24	105492	1929 -		
1925 -	10/1	107002	1930		
1926 -	—	—	1931		

Blossom dates: 1924 4/24, 25% buds open; 5/3, full bloom - light
1925 4/13, 75% " " ; 4/16, well past full.
1926
1927

Remarks: Scans received in 1902 from Geneva N.Y.
Beach in Apples of New York, diseases and characters
this variety; says introduced by E. M. Beechley,
Greenville Ohio. Presumably these 2 acc. nos.
were identical although they are not definitely
compared in the seasonal notes.

Characterization: In 1924 it was noted that specimens
this year were good size and well finished and for
this type of apples rather attractive in appearance
some specimens apparently affected by one
of the fruit spot diseases.
1925 - Oct. 13. Medium size, roundish to slightly
oblate, smooth except indistinct ribbing. Skin
rich yellow with practically no other markings
except numerous submerged inconspicuous
dots with a few scattered small brown dots.
Flesh lightly tinged yellow, fine-grain, slightly
cracking, mild subacid. juice somewhat
(over)

lacking; pleasant but a slight
characteristic flavor, fairly good.
Is a clear bright yellow apple
(at its best which does not develop
every year) with practically no conspicuous
superficial markings, it makes a
rather attractive apple.

3/4/
26

Tree upright spreading,
medium size; trunk
slightly rough, branches
smooth. secondary
branches and twigs
slender; spurs moderate
number slender.

neg. No. 44718

(No 2d sheet)

VARIETY APPLE ORCHARD
Arlington Farm

311

Variety: *Greenwill* (?)

Orchard location: Section *C* Row *21-22* Tree *4*

Arlington Accession No. *3044* (see acc nos. *1552* and *5202*)

Pom. No. *2449*

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>10/3</i>	<i>102763</i>	1927 -		
1923 -	<i>9/28</i>	<i>104142</i>	1928 -		
1924 -	<i>10/14</i>	<i>105692</i>	1929 -		
	<i>4/15</i>	<i>105375</i>			
1925 -	<i>10/11</i>	<i>107001</i>	1930		
1926 -			1931		

Blossom dates: 1924

1925

1926

1927

Remarks: Scions of acc. No. *3044* were viewed in 1902 from M. J. Wragg of Iowa as Maiden Blush. (Pom. No. *2449*). Since Winter Maiden Blush is a synonym of *Greenwill*, the question arises as to whether

Characterization: the scions may not have been sent as Winter Maiden Blush, and the first word dropped out in the acc. No. records. In 1922 it was suggested that the Arlington specimens of this No. were probably *Greenwill* and that view was in general confirmed in other years.

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VARIETY APPLE ORCHARD
Arlington Farm

312

Variety: *Grimes Golden*

Orchard Location: Section *D* Row *21-22* Tree *3*

Arlington Accession No. *3222* (See Acc. No. *6655*,
Pam. No. 24655; *1:7-8:1. also Grimes Golden*)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/18</i>	<i>102531</i>	1927 -	<i>9/22</i>	<i>109518</i>
1923 -	—	—	1928 -		
1924 -	<i>10/14</i>	<i>105695</i>	1929 -		
1925 -	—	—	1930		
1926 -	—	—	1931		

Blossom dates: 1924 - *4/20, first bloom; 4/4, full bloom.*
1925 - *4/14, 25% buds open; 4/18, " "*
1926 - *4/30, 50% " "*
1927 -

Remarks:

No detailed fruit notes made.
In 1924 comment was: "Excellent specimens. Typical". In 1927, - "Grimes Golden at its best from Arlington and pretty good specimens in all essential particulars, including texture and quality."

Characterization:

Acquired from Charles Miller, Germantown, W. Va. 4/26/02, under name "Grimes Golden". Whether it was intended as such or Grimes Golden seems a question. Although the apple was considered to be Grimes Golden. (Note - Pam. our entry is Grimes Golden Golden (only) probably mistake in word)

Second sheet, Variety *Grimes Golden*

313

Storage notes: Acc. No. 3222. D: 21-22: 3.

110/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright roundish broad flat spreading)
Central leader; Partially retained family disappeared

Branching: *well branched*

Main limbs: Very medium long short; Very (medium slender
stout) Medium straight crooked. *smooth*

Secondary limbs: Numerous medium few: (Medium slender) stout;
Drooping.

Twigs: (Many) medium few; Medium (slender) stout; Long medium
(short), Straight branched twiggy; Medium open
dense; Willowy, *distributed throughout top*

Spurs: Very (many) medium few; Very medium slender stout;
1/2 - (1 - 2 - 3 inch); Mostly branched *unbranched*

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Symmetrical top with well distributed twigs and spurs.

Illustrations:

Tree photographed *5:15:3 Key No. 47291*

Fruit painted *Several*

Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Grimes Golden*

Orchard location: Section *J* Row *7-8* Tree *1*

Arlington Accession No. *6655* see acc. No. *3222*,
Proc. No. 40790 *21-22: 3. Also Grimes Golden*

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -			1927 -	<i>9/22</i>	<i>109475</i>
1923 -			1928 -	<i>9/8</i>	<i>110404</i>
1924 -			1929 -		
1925 -			1930 -	<i>9/5</i> <i>9/9</i>	<i>111606</i> <i>111656</i>
1926 -	<i>10/1</i>	<i>108309</i>	1931 -	<i>10/6</i>	<i>112329</i>

Blossom dates: 1924- *5/2*, 50% buds open; *5/6*, little part full - light bloom
1925- *4/15*, first bloom; *4/30*, part full.
1926- *4/30*, 90% buds open
1927- *4/6*, 25% " "
1928- *4/20*, first bloom; *4/26*, 35% buds open;
Remarks: *5/1*, full bloom.
Scions raised 8-15/08 as
Mammoth Grimes from Stark
Proc. Louisiana, Mo.

Characterization: *Size has varied at Arlington Farm*
fairly good for variety to small - more than the latter,
but typical in form - somewhat bunched.
Skin color rich yellow, dots numerous - mainly 2
types - white, submerged, very minute, almost imperceptible,
others brownish, medium size, slightly raised. A great
deal of very minute leather cracking - some seasons, cavity
fairly deep, a little abrupt; stem 1/2", medium slender;
basin medium depth, rather broad. Calyx lobes
medium, converging; eye large, open.
Flesh yellowish, fine grain, crisp, juicy, mild
subacid, rich - one of best when fully
developed.

Second sheet, Variety

Storage notes:

Grimes Golden
(acc. no. 6655) 1:7-8:1

10/31/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very (abundant) normal scanty. Leaves: Very large
(medium) small; Color: Light dark normal. 75% fallen

Habit of Growth: Very (upright roundish) broad flat spreading.
Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very (medium) long short; Very (medium) slender
stout; Medium (straight) crooked.

Secondary limbs: Numerous (medium) few: (Medium) slender stout;
Drooping.

Twigs: Many (medium) few; (Medium) slender stout; Long medium
(short) (Straight) branched twiggy; (Medium) open
(dense); Willowy.

Spurs: Very many (medium) few; Very medium slender stout;
(1/2 - 1 - 2 - 3 inch); Mostly (branched) unbranched;
Spur twigs: Few medium (many); Terminal bearing mostly
considerable slight none

General aspect of tree: (Medium) slender open dense (stocky
grower) Top (round) much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted

Several

Fruit modeled

Fruit described

Several

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Grosh (?)*

Orchard location: Section *K* Row *25-26* Tree *2*

Arlington Accession No. *10879*
Row No. *50563*

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -			1927 -	<i>8/10</i>	<i>109272</i>
1923 -			1928 -	<i>9/8</i>	<i>110364</i>
1924 -			1929 -	<i>8/26</i>	<i>111113</i>
1925 -	<i>8/17</i>	<i>106596</i>	1930 -	—	—
1926 -	<i>8/27</i>	<i>107761</i>	1931 -	<i>8/25</i>	<i>112287</i>

Blossom dates: 1924 The double of this apple was
1925 never satisfactorily cleared up.
1926 It was received as *Grosh*. In time
1927 of picking it is closely with
Summer Rambo, rather than with
Remarks: *Western Beauty* as we know it and with
which I should check if *Grosh* and *Western Beauty*
are identical.
Seems from W. N. Irwin 4/21/11 - probably from
his private collection in Lexington.

Characterization: 1925 notes. Fairly large, uniform,
regular, oblate. Ground color when fully ripe,
yellowish with more or less slight overcast of
red with indistinct striping. Many specimens
however, show only a slight suggestion of color.
spots numerous but varying in different specimens.
The conspicuous ones are large, irregular and
amount to almost to small eruptions in the skin
or very slight cracks. In specimens still a little
immature, there are many light colored submerged
dots about the apex. These are inconspicuous. There
is a heavy overcast of whitish bloom. Flesh yellowish,
fine grain, a little tough, moderately juicy, subacid.
No characteristic flavor, but fairly good. In general
form and appearance it suggests *Summer Rambo*,
but lacks the red markings commonly characteristic of

that variety. Though Summer Rambo is
frequently without any red color markings
to speak of and ground color is
commonly greenish.

see insert

variety: Groch(?)

acc. No. 10879. (K: 25-26: 2)

In several seasons subsequent to 1925 observations were made on this variety in comparison with others in conflict. The substance of those observations follows.

1926. Compared with Summer Rambo. Acc. No. 6296, these 2 varieties appear identical. Dots sufficiently variable in 2 varieties so that any previously noted differences can be reconciled. Almost complete absence of red markings in both varieties. Flavor, texture and all other varietal characteristics are so definitely similar that it would be impossible to separate the 2 varieties.

1927. Specimens out of storage + exam. Dec 7. Comparing this variety and Adams (acc. No. 7191). Dots of this variety variable - some whitish and submerged, others medium size, brownish, raised. Adams dots are larger, more irregular, appearing as minute blemishes in skin.

At this time (1927) Adams ground color is slightly more yellow than this var. Adams cavity, somewhat narrower than of this var. As rule core of Adams is the larger; core line formation of this var. more oblate than Adams. Both var. now show a good deal of pitting beneath the skin, but this var. is worse than Adams. Basins, eyes, calyx tubes of the two are indistinguishable.

1928 - Sept. 12. Externally specimens this var. have all appearance of poorly colored Summer Rambo. Flesh characters similar to Summer Rambo, but in flavor it is more acid and notes rich as that variety - typically is. (over)

1928 - Aug. 30. It was observed that
"Previous notes are confusing - rather
than otherwise" an identity of this
apple. "If this is Grack, G. 13-14:3
is not." While this variety which
is Uce No. 6333 was delivered from
Wilmington several seasons labeled
Grack the Uce. record receipt
shows it was received as Adams.
In appearance this apple was
apparently very like Adams,
(Uce. No. 7191). But this Adams
had a slender stem, 1" or more
long. The stem of this apple
is less than $\frac{1}{2}$ " inch long.
The flavor of this apple is
springy, of Adams it is much
almost to the point of neutrality.
Adams is less juicy and the
texture coarser than of this
apple.

1931 Aug. 26. Noted that specimens
were "green as grass and very
firm." Practically not a bit of
red color. Fair size and well
developed except as to color.

318
Second sheet, Variety *Grash* ? (acc. No. 10879)

Storage notes: 1927. Specimens picked Aug. 10 held in office refrigerator. Date of exam. not given. Fruits had yellowed and softened to full maturity - and were fast eating ripe. Some specimens were breaking down. Considerable pitting similar to Jonathan spot had developed. The striking change was in flavor. Apparently when first examined flavor was mild like Summer Rambo. Now it was sharply acid, not agreeable, almost suggestive of an acidity due to fermentation, although it was not assumed that actual fermentation had occurred.
Vigor of Tree: Exceptionally strong average weak. Size: occurred
Exceptionally large average small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish broad flat spreading.
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender stout; Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout; Drooping.

Twigs: Many medium few; Medium slender stout; Long medium short; Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very many medium few; Very medium slender stout; 1/2 - 1 - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted *Several* Fruit modeled

Fruit described #17867-34627 F

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Haas*

Orchard location: Section *A* Row *21-22* Tree *X*

Arlington Accession No. *1853*

Pom. No. 24271

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>8/19</i>	<i>102298</i>	1927 ..		
1923 -	<i>9/16</i>	<i>104025</i>	1928 -		
1924 -	<i>9/5</i>	<i>105166</i>	1929 -		
1925 -	<i>9/14</i>	<i>106736</i>	1930		
1926 -	—	—	1931		

Blossom dates: 1924 *4/26, 25% buds open; 1/3. fast full*
1925 *4/13, full bloom.*
1926
1927

Remarks: *1925: Sept 16. Quite typical of the variety. Pretty good specimens, well colored. Poor quality but perhaps as good as the variety often gets. Rather fine grain. Specimens from N.Y. Sta. 1902*

Characterization: *(No other data)*

3/4/26. Good strong tree above medium size, clean, healthy; upright, roundish, spreading; main branches rather slender. Secondary branches twigs and spurs robust.
Reg. No. 44722
Paintings: 23937
34013
Descriptions: several *no 2nd sheet.*

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Hackman

Orchard location: Section

G

Row

21-22

Tree

3

Arlington Accession No. *6354*

Pom. No. 40534

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>8/19</i>	<i>102301</i>	1927 -	<i>9/6</i>	<i>109339</i>
1923 -	<i>10/8</i>	<i>103821</i>	1928 -	<i>9/27</i>	<i>110432</i>
1924 -	—	—	1929 -	—	—
1925 -	<i>{ 9/5</i>	<i>106737</i>	1930	—	—
1926 -	<i>{ 9/21</i>	<i>106846</i>	1931	—	—

Blossom dates:

1924, *No bloom*

1925, *4/15, 75% buds open; 4/20, past full*

1926, *no bloom*

1927, *4/12, first bloom*

Remarks:

1928, *4/25*

"

"

5/11

40% buds open - scattered bloom.

1922 - *rated as excellent quality*

1923 - *10/9 = a most excellent dessert apple.*

seems new 3/13/08 from private collection of W. H. Swin. Entry followed by word "Restricted"

Characterization:

Medium size or below roundish conic. Ground color yellow, best developed fruits nearly overspread with light wash of red and indistinct stripes. Cavity moderately deep and broad; stem rather slender, about 1/2" long. Basin exceptionally deep, very abrupt; calyx lobes medium converging; eye medium size, usually closed. Scales numerous, variable, from submerged, whitish, inconspicuous, to conspicuous irregular breaks in the skin. Flesh tinged yellow, a little setine, fine grain, rather breaking, tender, juicy, mild subacid. 9/29/25 pretty good. 9/8/27 about good.

10/4, 1928. rather flat, fair. For some reason judged much (over)

Much better quality in 1922 and 1923 than in subsequent years.

In 1925 this apple was compared with Utter as it grows at Arlington as follows:
In external appearance similar to Utter. The basin, however, as a rule is considerably deeper than in Utter, and there is a very slight greenish tinge to surface color but this is hardly noticeable. The red color markings are very slight - possibly more inclined to a blush than to striping as in case of Utter.
[Similarly to Utter would not seem to be very close]

Storage notes:

9/14/28

Vigor of Tree: Exceptionally strong average weak. Size:
 " *fair* Exceptionally large average (small)

Foliage: Very (abundant) normal scanty. Leaves: Very large
Good size medium small; Color: Light dark normal.

Habit of Growth: *Spreading - low flat top.*
 Very upright roundish broad flat spreading.
Central leader: Partially retained (disappeared)

Branching:

few
Main limbs: Very medium long (short) Very medium slender
 (stout) Medium straight crooked.

Secondary limbs: (Numerous) medium few: Medium slender stout;
 Drooping.

Twigs (Many) medium few: (Medium) slender stout; Long medium
 short; Straight branched twiggy; Medium open
 dense; Willowy.

Spurs: Very many (medium) few; Very medium (slender) stout;

Many on twigs 1/2 - (1 - 2) - 3 inch; Mostly branched unbranched;

Spur twigs: Few medium many; Terminal bearing mostly
 considerable slight none

General aspect of tree: Medium slender open dense stocky
 grower; Top round much broader narrower than tall.

Fairly healthy but poor grower because of flat spreading habit of main limbs.

Illustrations:

Tree photographed Neg. No. 46131

Fruit painted #48575 & 103821 Fruit modeled

Fruit described #10998 - 48575

Disease notes by J. W. Roberts:

Considerable leaf spot 9/14/28

VARIETY APPLE ORCHARD
Arlington Farm

322

Variety: *Haglor* (*Summer Haglor*)

Orchard location: Section *A* Row *21-22* Tree *5*

Arlington Accession No. *1854*

Pom. No. 24272

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>7/26</i>	<i>101628</i>	1927 ..	<i>8/4</i>	<i>109232</i>
1923 -	<i>9/3</i>	<i>103879</i>	1928 -		
1924 -	<i>9/5</i>	<i>105167</i>	1929 -		
1925 -	<i>8/21</i>	<i>106628</i>	1930		
1926 -	<i>8/12</i>	<i>107856</i>	1931		

Blossom dates: 1924, *4/29*, 50% buds open; *5/3*, full bloom
1925, *4/14*, 75% " " ; *4/16*, little past full
1926, *4/28*, 90% " "
1927, *4/12*, 25% " "

Remarks:

B.S. Bul. gives *Haglor* as syn. of *Summer Haglor* while *Beach* (appears N.Y.) reverses the order. As specimens were being handled from season to season there seemed to be some question as to identity but notes, on whole, agree rather closely with what *Beach* says about *Haglor*; also with *B.S. Bul* 194.
Characterization: *Scions from N.Y. to 1902*

Fairly large; roundish to slightly oblate conic. Ground color yellowish (fully mature); with dull red overspread on most of surface and some striping; sometimes considerably striped with some merging; whitish or purplish bloom - dots scattered sometimes submerged, sometimes yellowish, inconspicuous.

Flesh usually tinged yellow but sometimes given as white; tender (*8/26/25* given as somewhat tough and immature), breaking, fine grain, varying in flavor and quality - probably with degree of maturity - till subacid, flat, poor - to brisk, subacid, fairly rich at just right maturity. Acidify makes it better for cooking than fresh.

Second sheet, Variety

Haglor

323

Storage notes: *Oct. 10, 1925* - Picked up: 21. In office refrigerator between these dates. Now considerably past prime. Mild subacid, rather flat, fairly juicy, "not of high quality."

1/6/28

Vigor of Tree: Exceptionally strong (average) weak. Size: Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish (broad flat spreading) Central leader: Partially retained disappeared.

Some scaly bark on trunk but probably normal.
Branching: *well branched*

Main limbs: Very medium long short; Very medium slender (stout) Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout; Drooping. *well branched*

Twigs: (Many) medium few; (Medium slender stout); Long medium short; Straight branched twiggy; Medium open dense; Willowy.

Spurs: (Very many) medium few; Very medium slender (stout); (1/2 - 1) - 2 - 3 inch; Mostly branched (unbranched);

Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

a strong stocky "many branched" tree - Many spurs

Illustrations:

Tree photographed *Neg. No. 47872*

Fruit painted *#101127 + 707856* Fruit modeled

Fruit described *#5301 - 38785 (Summer Haglor)*

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Haskell*

Orchard location: Section *A* Row *23-24* Tree *1*

Arlington Accession No. *1855-*

Pom. No. 24273

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>8/1</i>	<i>102218</i>	:	1927 -		
1923 -	<i>—</i>	<i>—</i>	:	1928 -		
1924 -	<i>9/5</i>	<i>105443</i>	:	1929 -		
1925 -	<i>—</i>	<i>—</i>	:	1930		
1926 -	<i>8/25</i>	<i>107795</i>	:	1931		

Blossom dates: 1924, *4/29, 40% buds open; 5/3, fast full*
1925, *no bloom*
1926, *4/28, 90% buds open.*
1927

Remarks: *Scions from N.Y. Agr. Sta. 1902*

Characterization: *Medium size to above; smooth, regular, oblate; ground color greenish yellow (if not fully ripe); little or no red markings except slight bronzing on some fruits; light-whitish bloom, slight grayish overspread on some fruits. Scales numerous, minute ranging from whitish to brownish. Cavity considerable russetings; basin same; flesh yellowish, fairly fine grain, very tender, fairly juicy, slightly sweet but nearly neutral, rather flat and insipid if a very little overripe. Apparently not of much value as grown here.*

Storage notes:

8/13/26

Vigor of Tree: Exceptionally strong average weak. Size:
 " *fair* Exceptionally large (average) small.

Foliage: Very (abundant) normal scanty. Leaves: Very large
 (medium small); Color: (Light) dark normal. *Leaves long, narrow.*

Habit of Growth: Very (upright) *but much spreading by weight of crop.* roundish broad flat spreading.
 Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender
 (stout) Medium straight crooked. *Bark smooth*

Secondary limbs: Numerous medium few: Medium slender stout;
 Drooping. *well branched - limbs abundant.*

Twigs: Many medium few; (Medium slender stout) Long medium
 short; Straight branched twiggy; Medium open
 dense; Willowy. *12" growth 1926*

Spurs: (Very many) medium few; Very medium slender stout;
 1/2 - (1 - 2 - 3 inch) Mostly branched unbranched;
 Spur twigs: *stout* Few medium (many) Terminal bearing mostly
 considerable slight none

General aspect of tree: Medium slender open dense stocky
 grower; Top round much broader narrower than tall.

with heavy load of fruit, tree suggests dome tree slightly.
 Illustrations: Tree photographed Neg. No. 47863

Fruit painted *none*

Fruit modeled

Fruit described *several (swat file)*Disease notes by ~~J. W.~~ Roberts:

leaf hopper affect conspicuous

VARIETY APPLE ORCHARD
Arlington Farm

326

Variety: *Haswell*

Orchard location: Section *G* Row *21-22* Tree *4*

Arlington Accession No. *6355*

Sam. No. 40535. Recd March 13, 1908 from private collection P. W. H. Brown, Eckington.

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/6</i>	<i>102570</i>	1927 -	<i>9/6</i>	<i>109340</i>
1923 -	<i>10/8</i>	<i>104198</i>	1928 -	<i>9/8</i>	<i>110405</i>
1924 -	—	—	1929 -		
1925 -	<i>9/21</i>	<i>106849</i>	1930		
1926 -	<i>9/1</i>	<i>107857</i>	1931		

Blossom dates: 1924, *No bloom*
 1925, *4/15, 75% buds open; 4/20, past full*
 1926, *4/30, 50% " " - very light bloom*
 1927, *5/1, 95% " "*

Remarks: *Same uncertainty as to identity. Probably comes to an apple sent by D. E. Abernathy, Cellus, Tenn. as Haswell's (or Harwell's) Seed. No further. Need to look up old correspondence for verification. Some doubt however as to whether this apple is the one sent by Mr. Abernathy was though records may indicate it. Discrepancy between painting and description.*

Characterization:

Medium to large, roundish conic to slightly oblate conic; somewhat irregular; lobes commonly unequal. Ground color yellow, pretty well covered with bright red in best specimens, others varying degrees of bluish. Sometimes grayish overspread; bloom usually present. Dots variable - yellowish or brownish, raised, conspicuous; or minute, submerged, yellowish, inconspicuous. Core rather deep, somewhat abrupt; stem 1/2", moderately stout; tendency to Roman stem sometimes. Basin medium; calyx lobes rather long, converging, but eye large and partially open. Flesh tinged yellow, fairly fine grain but sometimes seems rather coarse; (over)

tender, quite juicy, Flavor and quality
variable, probably with season and
degree of maturity. Subacid to mildly so,
with characteristic flavor, rather pleasant,
though not rich, good. Otherwise described
as poor quality; rich, pretty good 9/29/25.

In season now ¹⁰/₁₃/23

9/8/26. Too immature and too acid to
tell much about it.

Storage notes: No cold storage - but 2 short holding notes.

1926. Picked 9/1. Exam Oct 2. at room temp. since 9/9. Ground color a rather deep yellow. Flesh distinctly yellowish, grain a little coarse. Mild subacid with a rather peculiar flavor. Looks richners; rather low in quality.

1927. Picked Sept. 6. Exam Oct 12. In refrigerator past month. In season now. Texture fine grain, fairly good body. Quite juicy. Mild subacid (over)

Vigor of Tree: Exceptionally strong average weak. Size:

Exceptionally large average (small).

Foliage: Very (abundant) normal scanty. Leaves: Very large (medium) small; Color: Light (dark) normal.

Habit of Growth: Compact Very upright roundish broad flat (spreading) Central leader: Partially retained (disappeared).

Branching:

Main limbs: Very (medium) long (short); Very medium slender (stout) Medium straight crooked

Secondary limbs: (Numerous) medium few; Medium slender stout; Drooping. *Many knots on them also.*

Twigs: (Many) medium few; Medium slender (stout) Long medium short; Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very many (medium) few; Very medium slender stout; 1/2 - 1 - 2 - 3 inch; Mostly branched unbranched; Spur twigs: Few (medium) many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round, much broader narrower than tall.

Illustrations: *Top is dense from large number of twigs and small branches.*

Tree photographed Neg. No. 50737

Fruit painted 1093407/110405 Fruit modeled

Fruit described Several

Disease notes by J. W. Roberts:

Many knots abundant

Storage notes (can't)

with a rather immature taste which is not very pleasant. Immature flavor was noted Sept. 5 when first examined. Fruit considered hardly fair.

"^[The above] This would seem to be a fairly good estimate of the variety. The specimens had matured gradually in the office refrigerator. They had not shriveled, nor had they been where they would absorb any foreign flavors or odors. It is apparently simply a poor apple though it is fairly well colored and rather attractive.

VARIETY APPLE ORCHARD
Arlington Farm

328

Variety: *Hawley*

Orchard location: Section *J* Row *24* Tree *3*

Arlington Accession No. *8580*

Pom. No. 46579

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	—	—	1927 -	<i>9/1</i>	<i>109341</i>
1923 -	—	—	1928 -	<i>8/22</i>	<i>110314</i>
1924 -	—	—	1929 -	<i>8/21</i>	<i>111090</i>
1925 -	<i>8/17</i>	<i>106590</i>	1930 -	<i>8/20</i>	<i>111537</i>
1926 -	<i>8/27</i>	<i>107859</i>	1931 -	—	—

Blossom dates: 1924 - *5/2*, 20% buds open; *5/6*, little past full but still few buds; light bloom.
See over for same.
 1925 - *4/15*, 25% " " *4/20*, 90%
 1926 - *5/3*, Full bloom } 10 buds open
 1927 - *4/16*, 10% buds open; *5/7* still few petals remain.

Remarks: *See Bench in Apples of U. S. Vol. 2.*
 In 1925 comment was made on close similarity of Hawley to Cloth of Gold. Externally so alike it would be very difficult to separate them. Hawley flesh slightly more yellow, a little coarser grain, and when a little overripe it lacks the richness of Cloth of Gold. Acidities: core lines, calyx lobes very similar. Likeness again recorded in 1928. Hawley may be (over)

Characterization: *Large to very large, roundish calyx to somewhat oblate, somewhat irregular.*
Ground color yellow - self colored. no blush.
Sometimes a little grayish overripe.
Stems numerous, submerged, inconspicuous - a few brownish, more conspicuous. Cavity deep, abrupt; heavy russeting in and about cavity; stem 1", rather slender. Basin medium depth and width, somewhat abrupt; calyx lobes medium, somewhat converging; eye partially closed.
Flesh yellowish, fairly fine grain and moderately juicy and tender, mild subacid when in prime condition, and good quality - but when a little overripe, becoming grainy, very mild subacid, flat and poor quality.

Remarks (cont)

a little more irregular in shape and
slightly more reddish than clove of
gold!

Pan. No. 46579 records receipt 7/2/10

of scious of Hawley from

J. W. Van Buren, Berzonia, Mich.

Storage notes:

11/14/28

Vigor of Tree: Exceptionally strong average weak. Size:
Exceptionally large average small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: *(Symmetrical)* Very *upright* *roundish* broad flat spreading.
Central leader: Partially retained disappeared.

Branching: *well branched but much over head*
Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping.

Twigs: Many medium few; Medium slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many medium few; Very medium slender stout;
1/2 - 1 - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted *7267, 111537* Fruit modeled

Fruit described *honey*

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

339

Variety: *Haycock*

Orchard location: Section *E*

Row *23-24* Tree *3*

*3 trees in location
acc. No. 4316 -
Haywood.*

Arlington Accession No. *4303* (See *Haywood* acc. No. *4316*)
Pom. No. 28374

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>8/23</i>	<i>102307</i>	1927 -		
1923 -	—	—	1928 -		
1924 -	—	—	1929 -		
1925 -	—	—	1930		
1926 -	<i>9/9</i>	<i>107412</i>	1931		

Blossom dates: 1924, *No bloom*.
Jour. No. 28374
is Haycock. 1925, *4/20, 90% buds open; light bloom*
- so recorded under this 1926, *4/30, first bloom*
Jour. entry 1927, *5/2, few petals still. suggest Rome*
4-16-43 *beauty, which the tree now*
Remarks: *remembers somewhat*

The orchard map and other records show this location to be acc. No. 4316, Haywood, which it clearly is not; - is assumed to be acc. No. 4303, Haycock; scions received March 9, 1903 from Camp. Burkman, Farmingdale, Ill.

Characterization:

1926 Notes: Size medium to fairly large; regular, smooth except indistinct ribbing in larger specimens, which is lacking in smaller ones. Ground color yellow, pretty well overspread with a wash of bright red; heavy stripes and speckles in some specimens; dots scattering but very large, areole, conspicuous, appearing somewhat as rougher breaks in skin. A light white bloom. Flesh tinged yellow, fine, satiny, fairly fine grain, a little lacking in juiciness but rather pleasant (1/4) though apparently a fairly good apple, doubtful if it has much of real value.

Storage notes:

2/6/28

Vigor of Tree: Exceptionally (strong) average weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright roundish broad flat slightly spreading)
Central leader: (Partially retained) disappeared.

Branching:

Main limbs: Very medium long short; Very medium (slender)
clean stout; Medium straight *crooked*.

Secondary limbs: Numerous medium few: Medium *long* (slender) stout;
Drooping.

Twigs: (Many) medium few; Medium (slender) stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very (many) medium few; Very medium (slender) stout;
(1/2 - 1 - 2) - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

*Main limbs clean light brown color - wack; peculiar
lenticels.*

Illustrations:

Tree photographed

Fruit painted *26053*

Fruit modeled

Fruit described *#26053*

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Haywood (?)*

Orchard location: Section *A* Row *24* Tree *2*

Arlington Accession No. *4316* (See *Haycock* Acc. No. *4303*)
Pam. No. *28416* (Pam. No. *24274* is also *Haywood* from *N.Y.* 3/6/02)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	9/23	102602	1927 -		
1923 -	9/14	103923	1928 -		
1924 -	—	—	1929 -		
1925 -	10/1	106938	1930		
1926 -	—	—	1931		

Blossom dates: 1924

1924 - 4/27 first bloom
1925

1925 - 4/15 first bloom
1926

1926 - 4/16 full " 1927

Remarks:

Scions received March 13/03 from Geneva N.Y. Beach mentions this variety in Apple of N.Y. as having been received from P.J. Berckmans Augusta, Ga. for testing. Not adapted to N.Y. conditions. It seems hardly likely that this Arlington lot is same variety - was though supposed to have come from Geneva. In 1922 & 1923 it was referred to as a sweet apple; in 1925, as very mild subacid.

Characterization: The following characterization is so like that of *Haycock*, Acc. No. *4303* that it seems likely the 2 are identical regardless of records:

Notes Oct. 12, 1925: Size medium and above, regular, roundish conic. Ground color yellow - nearly covered with bright red wash. a slight suggestion of striping. - sets, few, large, raised, areole yellowish, conspicuous. A heavy overexposed gray on basal half. Flesh tinged yellow, a little salmy (over) (no 2d sheet)

moderately fine grain, tender,
rather lacking in juice, over-
mild subacid, approaching
neutral, pleasant, moderately
good. A little past prime 11/2/25.

3/4/ Tree medium size,
26, upright, spreading;
trunk and larger limbs
never curved. Buds
small, greenish and sparse
normal.

Photos

Key No. 44716

" " 49014 (E: 2413)

Paintings: none

Description: None

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Hidmeyer*

Orchard location: Section *B* Row *7-8* Tree *1*

Arlington Accession No. *6313*

Pain. No. 40477

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/6</i>	<i>102502</i>	1927 -		
1923 -	<i>8/29</i>	<i>10386</i>	1928 -		
1924 -	<i>9/7</i>	<i>105256</i>	1929 -		
1925 -			1930		
1926 -	<i>8/27</i>	<i>107860</i>	1931		

Blossom dates: 1924 - *5/3, full bloom*
Scions from
Mr. Swiney's 1925 - *4/15, 90% buds open; 4/20, part full*
from private
collection in 1926 - *4/30, 75% " "*
Richington. 1927 - *4/20, first bloom; 4/25, 30% buds open; 5/1, full bloom*

Remarks: *Apparently all above records are on Row tree 7, except 1922 picking date which may have concerned both trees. Note in 1922 says "No fine apple" but in 1923 fruit from No. 7 did not appear to be same as that reported from #8 in 1922. This raised a question as to whether both trees were the same. No. 8 seems to have disappeared from record after 1922.*

Characterization: *This raised a question as to whether both trees were the same. No. 8 seems to have disappeared from record after 1922.*
 1926 Notes: *Size variable from about medium to good size. Form in general roundish cone somewhat irregular, indistinctly ribbed. Ground color rather deep yellow, most specimens showing only bare suggestion of stripes; occasionally a little blushing and a clear indication of striping. Dots moderately numerous, brownish, medium size, rather conspicuous on a yellow ground color, rustling about cavity; leather cracking about basin. Spattering suggestive of Jonathan spot on some fruits. Flesh yellowish, grain a little coarse, fairly juicy, sprightly (over)*

subacid, fairly rich, pretty good.

Mr. Irvine rated specimens from
Elto Locke, New Brunswick. Tax as
very good to best. Might be a
valuable apple for the South.

Further note: A slight suggestion
of Habbardston with a well developed
ground color and only a little
red overspread.

Storage notes:

9/31/28

Vigor of Tree: Exceptionally strong average weak. Size:
" good Exceptionally large average (small)

Foliage: Very (abundant) normal scanty. Leaves: Very (large)
 medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish (broad flat spreading)
 Central leader: Partially retained (disappeared)
Test. low top.

Branching:

Main limbs: Very medium long short; Very medium slender
Many branches (stout) Medium straight (crooked)
 Secondary limbs: Numerous medium few: Medium slender stout;
 Drooping.

Twigs: (Many) medium few; (Medium slender stout); Long medium
 short; Straight branched twiggy; Medium open
 dense; Willowy.

Spurs: Very many (medium) few; Very (medium slender stout);
 1/2 - (1 - 2 - 3 inch); Mostly *Considerably* branched unbranched;
 Spur twigs: Few medium many; Terminal bearing mostly
 considerable slight none

General aspect of tree: Medium slender open dense stocky
 grower; Top round much broader narrower than tall.

Tree appears strong and healthy but dwarfish
 Illustrations: *abundant bearing surface for size of tree.*
 Tree photographed

Fruit painted *#72 494 9105256* Fruit modeled

Fruit described *9249*

Disease notes by J. W. Roberts:

Signs of leaf hopper present.

VARIETY APPLE ORCHARD
Arlington Farm

335

Variety: Handrick (Handrick Sweet) Incorrect

Orchard location: Section K Row 25(-26)⁽¹⁾ Tree 4

Arlington Accession No. 10880, Pom. No. ? Scious from Mr. Brown
Pom. No. 50564 (probably) 11/19/11

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	—	—	1927 -	9/19	109447
1923 -	{ 9/5 9/5	see below ⁽²⁾	1928 -		
1924 -	—	—	1929 -		
1925 -	10/10	107098	1930		
1926 -	—	—	1931		

Blossom dates: 1924 (1) The 1927 sample of fruit apparently came from Tree Row 26, and all
1925 others so far as labels with specimens
1926 indicate were from Tree row 25.
1927 (2) However 2 samples were submitted in 1923 with note from Mr. Brown saying the 2 were sent because they were different - suggesting thereby that each lot was from a different tree (though only No. 25 was given an label with specimens. (The Pom. Nos. with these samples were 103592 and 103991. The 2 samples were sent at same time; apparently handled in office at same time. It would seem logical that these 2 Pom. Nos. should be in sequence. That they are nearly 100 numbers apart suggests an error in one of them.

In 1923, I noted (HSS) on both labels that the variety was not Handrick. One of samples was a small greenish yellow apple with a little indistinct red striping - and not sweet. The other was a small, yellow, sweet apple with considerable russet on the skin.
(over for source statement)

The acc. no. and orchard position
indicate this was one of latest planted
trees in the orchard. Jour No. 24275
acc. No. ~~1875~~ 1857 record Hendricks
seems from N.Y. Station 8/6/02.
and acc. No. 1857 was planted at
A: 23-24: 3 - but apparently no record
of fruit from this location under name
Hendricks. So recorded in acc. record file.

Acc. No. 10580.

In 1925 Mr. Brunk noted "Believe this is Milan - which might refer to the greenish yellow apple with a little indistinct striping mentioned in 1923. However in 1925, '22, I

noted "Likeness to Milan still stands but if they are that variety, they are unusually large, highly colored and exceedingly fine specimens.

Oct. 30/1925 I further noted: Examination of specimens brought in from the ground is rather upsetting of my conviction that the variety is Milan. The fruits are larger, brighter red, more acid and not as rich as Milan is, in my judgment.

1927 - Sept. 26. - Not Handrick.

A medium sized, yellow sweet apple - referring to specimens from Tree Row 26. Average rather

below medium size, uniform in size and shape; roundish conical, some specimens a little elongated. Ground color, attractive yellow, dots numerous, slightly raised, irregular; a good deal of fine russet leather cracking, enough probably to put the apple in the russet group. Considerable rather heavy russeting in cavity.

Flesh lightly tinged yellow, satiny,
fairly fine grain, rather tough, looks
juicy, sweet but mildly so, looks
richness. Not high quality. And
not yet (4/26/27) mature.

Identity unknown. Unless
it develops higher quality than
is now indicated, it is of no
account.

Seeds rather numerous, small,
plump, short. Tree may be a
sprout from the stock.

Second sheet, Variety

Acc. No. 10880

337

Storage notes:

Incorrectly - Handrick's Sweet -
Crop 1927, out of storage 7/8/27; Exam 11/10/27
It probably should be put in
the Russet group. Now slightly wilted.
Characteristic of most russet apples,
after being out of storage 2 or 3 days.
Sweet with a little astringency. Apparently
worthy as dessert.

Vigor of Tree: Exceptionally strong average weak. Size:
Exceptionally large average small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish broad flat spreading.
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping.

Twigs: Many medium few; Medium slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many medium few; Very medium slender stout;
1/2 - 1 - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted #30042

Fruit modeled

Fruit described #8186-30042

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

334

Variety: *Honey Blay*

Orchard location: Section *I* Row *5-6* Tree *4*

Arlington Accession No. *6653*

Pom. No. 40788

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>7/10</i>	<i>101545</i>	1927 -	<i>7/11</i>	<i>109168</i>
1923 -	<i>7/6</i>	<i>103339</i>	1928 -	<i>7/24</i>	<i>110184</i>
1924 -	<i>7/23</i>	<i>105038</i>	1929 -	<i>6/22</i>	<i>110944</i>
1925 -	—	—	1930 -	<i>7/10</i>	<i>111552</i>
1926 -	<i>7/20</i>	<i>107604</i>	1931 -	<i>6/29</i>	<i>112257</i>

Blossom dates: 1924 - *5/2, past full bloom*
 1925 - *4/15, full bloom, few clusters only*
 1926 - *4/30, past full bloom; 1/2 petals off*
 1927 - *4/19, first bloom; 4/26, 95% buds open; 5/7, past full, but still buds*

Remarks:

*Scions received 1/22/08 from Stark Bros
 Farm, Mo.*

Characterization: *Size varies considerably from medium and above some seasons to rather small in others; oblate, indistinctly ribbed; some fruits show indistinctly a triangular form in cross section. Ground color greenish white - self colored, no red. Dots yellowish and whitish, submerged, inconspicuous; a little russeting in cavity in some specimens. In 1926 in many fruits there was what appeared to be characteristic concentric russet crosses about the apex; these were absent in 1927. No later reference to them. Flesh slightly tinged yellow, tender juicy; in 1926 noted as mild subacid, fairly rich, a very pleasant eating apple, but in 1927 and in 1928 acidly, refined rather pronounced and in 1928 it lacked the rather pleasing eating quality noted in 1926 (over)*

To what extent these differences were differences in maturity, and to what extent seasonal is uncertain. In 1924 just a brief note was recorded, that fruit has mild subacid, fairly rich - a pretty good apple.

The core is moderately open and a very large funnel. form calyx tube. In 1926 it was noted that this apple though not especially attractive in appearance, might merit more consideration than it has received.

Second sheet, Variety

Ferry Clay

239

Storage notes:

11/6/28

Vigor of Tree: Exceptionally strong (average) weak. Size: Exceptionally large average (small).

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal. *75% of this date*

Habit of Growth: Very (upright roundish) broad flat spreading. Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very (medium) long short; Very (medium) slender stout; Medium straight crooked.

Secondary limbs: Numerous medium (few) (Medium) slender stout; (Drooping)

Twigs: Many medium (few) (Medium) slender stout; Long (medium) short; (Straight) branched twiggy; Medium (open) dense; Willowy.

Spurs: Very many medium (few) Very medium slender (stout) (1/2 - 1 - 2 - 3 inch) Mostly branched (unbranched)

Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender (open dense stocky) grower; Top (round) much broader narrower than tall.

fruit characteristic. Drooping of secondary branches and same
Illustrations: *twigs and small number of branches make an unusually open grower.*
Tree photographed

Fruit painted

Fruit modeled

Fruit described

Disease notes by J. W. Roberts:

Variety Apple Orchard

340

Arlington Farm

Variety:

Herefordshire Pearmain

acc. No. 6417 (# : 17-18 : 2)

Herefordshire

acc. No. 7195 (J : 25-26 : 3)

There are confusion and uncertainty with respect to these 2 varieties. The first inclination from standpoint of nomenclature is to consider them both as Herefordshire. But according to Bul. 56 Herefordshire is the accredited name (American adaptation) of Herefordshire Pearmain - an old English variety - while Herefordshire as described by Beach in Apples of New York is Herefordshire Beefing which Bul. 56 leaves in this form as the accredited name. It is presumed that Herefordshire Pearmain and Herefordshire Beefing are distinct varieties. The original records are not at present (3/16/42) available but it seems likely that the differences between the 2 lots as they were received from Arlington may be explained in the one being Herefordshire Pearmain and the other Herefordshire Beefing.

A basic difficulty is the lack of adequate authentic information as to what these 2 varieties are like. (0007)

Because of the foregoing - status of the matter these 2 Acc. Nos. 6417 and 7195 are treated separately as distinct varieties, of more or less uncertain identification, in the attached vols.

In an attempt to straighten out the confusion between Acc. Nos. 6417 and 7195 various comparisons and checks were made on specimens and paintings in the files - but without recognizing at the time the possibility of 2 distinct varieties of English origin - Herefordshire Beeswax and Herefordshire Beeping being concerned. That same fact was probably not recognized when the paintings on file were made, thus creating confusion (probably) in the records so far as paintings and descriptions in the files are concerned. The comparisons made in connection with the examination of specimens follow:

In 1926, examining specimens of 6417 it was noted that - Specimens check pretty well with Painting Pam. No. 13218. It [the painting] surely is very different from painting Pam. No. 35211 and from Acc. No.

7195. The conclusion is inevitable, apparently, that there are 2 varieties under the name Herefordshire in the files.

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acc. Nos. 6417 and 7195 -

(Notes & comparisons continued)

In 1926 in examining specimens
of acc. No. 7195, it was noted -
So far as appearances are concerned,
it is not difficult to reconcile painting
Pam. No. 35211 with the samples
in hand but the serious frame
which the trees producing the
samples were supposed to have
been propagated came, according
to the records from Q. R. Slater, Elba,
N.Y. but there are difficulties in
reconciling the specimens in hand
with the description in the files
of Pam. No. 35126 which supposedly
is of Herefordshire as received
from Mr. Slater. On the other
hand there is no special difficulty
in reconciling 2 descriptions
on file of Herefordshire, the
one being based on specimens
from Slater (No. 35126), and the
other, No. 35211, specimens from
a Mr. Stacy. — All of which
gets us nowhere! — Except possibly
to emphasize certain ^{discriminations} locking
in the past in the work — which
is mentioned as a fact, not as a
criticism. Besides, it represents
(over)

a rather unusual case in nomenclature adjustment in attempting to bring foreign (in this case English) variety names into conformity with the American code of nomenclature without adequate knowledge of the fruits themselves and what the names stand for. In B.P.S. Bul 56 Ryan reduced the name Herefordshire Pearmain to Herefordshire. Herefordshire Beefing as a name was retained. Beach in Apples of New York appears to have reduced the name Herefordshire Beefing to Herefordshire. This puts into American literature the same name Herefordshire for 2 distinct varieties of apple of English origin. This seems to be a case where the retention of the 2 full names, Herefordshire Pearmain and Herefordshire Beefing - would have been much better than to try to force them into conformity with the American code - apparently with only the idea of reducing 2-word names to one word as a justification for any change whatever.

VARIETY APPLE ORCHARD
Arlington Farm

342

Variety: *Herefordshire* (?) Perhaps *Herefordshire*
Orchard location: Section *J* Row *25-26* Tree *3* *See attached general statement.*

Arlington Accession No. *7195*
Pom. No. 40635 (probably)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/6</i>	<i>102522</i>	1927 -		
1923 -	<i>9/16</i>	<i>104031</i>	1928 -		
1924 -	—	—	1929 -		
1925 -	—	—	1930		
1926 -	<i>9/1</i>	<i>107862</i>	1931		

Blossom dates: 1924 - *5/2*, 40% under open; *7/6* full bloom.
Scarcely probably from Mr. Dawkins private collection
1925 - *4/20*, 50% "
1926 - *4/30*, first bloom.
3/25/08 - Trace to Pom. No. 13681
1927 - *4/26*, buds showing pink; *5/1*, 25% buds open

Remarks: In 1923 this variety was considered incorrectly named, but probably with *Herefordshire Pearmain* in mind. It was characterized as a large yellow apple with a light overspread of red. Good to very good in quality. The characterization summarized below from 1926 notes indicates a number of points in common with *Herefordshire* as characterized: described in *Apple of New York*, and which is apparently *Herefordshire Beefing of the English*.
Characterization:

Size Medium, fairly regular, more or less ribbed;
Ground color greenish yellow, probably losing the green shade as full maturity is reached; *bracts* well covered with a wash of bright and with considerable striping. *Spots* variable, mostly yellowish, some areole, rather small, not very conspicuous, though some are larger and raised. A thin overspread of gray at base of some fruits.
Flask yellowish, medium green, lacking in juice, fairly tender, mild subacid, moderately rich, pleasant, fairly good.

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Second sheet, Variety *Herefordshire (?)* Acc. No. 7195-

Storage notes: *Nothing from cold storage but in*
1926 notes were made on specimens of this fruit
and Acc No. 6417 held in office refrigerator
until Oct 8, as follows: "This apple and acc.
No. 6417 are distinctly different [which would of course be
explained if it is assumed that No 6417 is Herefordshire
Pearmain and No 7195 is Herefordshire Beefing] Both
have been in refrigerator until Oct. 8. in good condition.
No. 6417 had shriveled more than the other, possibly more
decay. Ground color of No 6417 is a rich golden yellow,
(over)

Vigor of Tree: Exceptionally (strong) average weak. Size:
Exceptionally (large) average small.

Foliage: Very (abundant) normal scanty. Leaves: Very large
(medium) small; Color: Light (dark) normal.

Habit of Growth: *Apparently mostly retained this date.*
Very (upright roundish broad) flat spreading.
Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very medium long (short); Very medium slender
(stout); Medium (straight) crooked.

Secondary limbs: (Numerous) medium few; (Medium) slender stout;
(Some Drooping.)

Prize: (Many) medium few; (Medium) slender stout; Long medium
(short); (Straight) branched (twiggy); Medium open
(dense) Willowy.

Spars: Very (many) medium few; Very (medium) slender stout;
(1/2 - 1 - 2) - 3 inch; Mostly branched (unbranched)

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: (Medium slender open dense stocky
grower); Top round ~~much~~ broader narrower than tall,

Illustrations:

Tree photographed

Fruit painted *Several*

Fruit modeled

Fruit described *#35126 - 35211*

Disease notes by J. W. Roberts:

Ground color of No. 7195 is a medium yellow. Both are mild subacid. But No. 6417 is rather rich while No. 7195 lacks richness and is hardly fair in quality now ^{10/20}. No 6417 is in prime eating condition except for shriveling and at its best would probably be a rather high quality eating apple - But some of foregoing notes indicate that at times No 7195 is also a rather high quality apple - all of which leads to the conclusion that the available information is too fragmentary to be of much value!

Arlington Accession No. 6417 (Pam. No. 13651)

1927- no bow

* Picking date noted as unduly delayed.

delayed. Both this No. Acc. 6417 and 7195 were from
a letter from Mrs. Dow in a question. Records
indicate that definitely that the letter was at least
(small), fairly

Characterization: Small to medium (mostly small), fairly regular, sometimes more or less rounded, occasionally compressed; roundish conic to slightly oblate. Ground color, fully mature, rich yellow washed with deep blood red, sometimes marks solid, sometimes striped. Spots numerous, large, areole, raised, conspicuous. Appearance is a little coarse but deep yellow in contrast with dark red is rather striking. Stem $\frac{1}{2}$ ". Flesh distinctly yellow, somewhat satiny, fairly fine grain, firm, good body, moderately juicy, mild subacid, fairly rich, pleasant; at its best, pretty good, but small size and none too attractive appearance save it without much real merit.

Second sheet, Variety

Herefordshire Pearmain 245

Storage notes:

Nothing from cold storage -
but comparisons of this and fruits of
Acc No. 7195 made in 1926 and
Oct. 8, 1926 held in office refrigerator
appear on the form for Acc No. 7195
(which see)

10/9/28

Vigor of Tree: Exceptionally strong ^(Below average) weak. Size:
Exceptionally large ^(Below average) small.

Foliage: Very (abundant) normal scanty. Leaves: Very large
medium small; Color: Light dark normal. *good condition*

Habit of Growth: Very (upright) roundish broad flat (spreading)
Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very medium long short; Very (medium slender
stout); Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout;
Drooping. *well branched - much upright growth*

Twigs: (Many) medium few; Medium slender stout; Long medium *in 1928*
short; Straight branched twiggy; Medium open
dense; Willowy. *see below*

Spurs: Very (many) medium few; Very (medium slender stout);
1/2 - (1 - 2 - 3 inch) Mostly branched unbranched;

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

see below

Illustrations:

Tree photographed

Fruit painted *Several*

Fruit modeled

Fruit described [#] 35126 = 35211

Disease notes by J. W. Roberts:

From abundance of upright growth from
secondary branches in 1928 it looks as if
there was a renewal of vigor that year.
Previously the annual growth had
apparently been small and weak.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Herschel Cox (?)*

Orchard location: Section *I* Row *9-10* Tree *4*

Arlington Accession No. *4941*

Pom. No. apparently not recorded

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>10/25</i>	<i>102870</i>	1927 -	<i>10/10</i>	<i>109645</i>
1923 -	<i>10/12</i>	<i>104265</i>	1928 -	<i>10/10</i>	<i>110693</i>
1924 -	<i>11/4</i>	<i>106002</i>	1929 -		
1925 -	<i>10/15</i>	<i>107099</i>	1930		
1926 -	<i>11/1</i>	<i>108679</i>	1931		

Blossom dates: 1924- *5/2, 50% buds open; 7/6, fruit full.*
 1925- *4/15, 75% " " 1/20 " "*
 1926- *4/30, 50% " "*
 1927- *4/26, first bloom; 7/1, fruit full.*

Remarks: *sample was appraised, on previous information confirmed practically every season as to the fruit being 'Herschel Cox', because of discrepancies between its description and painting on file of that variety. The trees planted according to records were received 3/31/05 from Kelly & Sons.*

Characterization: *Jefferson, Ill. Apparently a southern variety. The specimens were sweet as is 'Herschel Cox' but in other respects the apple seems to be at variance with illustrations on file. The fruit in shape & size was variously compared with a small Winesap & Shockley.*

Characterization: *Size usually small, sometimes up to medium; smooth, regular, sharply conic - much drawn in at apex; ground color yellow nearly covered with a red wash and indistinct stripes; a grayish over-color varying from slight to fairly heavy on one side of fruit, or a light flecking of gray. (dots moderately numerous, some yellowish and submerged over)*

others brownish and slightly raised, not
conspicuous. Cavity variable - sometimes
broad and deep, sometimes narrow and
deep. Basin narrow and shallow.

Flesh yellowish, saline, fairly fine grain,
firm, tough, usually lacking in juice
though sometimes referred to as fairly
juicy; flavor usually referred to as
sweet, sometimes very mild and acid,
close to neutral - but that probably
when specimens not fully mature.
Firmly not high but rather pleasant
- when fully ripe - for a sweet apple.

Second sheet, Variety

Herschel Cox (?)

Storage notes:

1926 Crop. Out of storage Apr. 11, 1927
Apr. 16. Apples have kept well. No scald
or shriveling. Texture still firm. Its keeping
qualities are the most notable features of the
variety, whatever it may be.

1927 Crop. Out of storage Feb. 27, 1928. Apr. 9.
In office refrigerator meanwhile. In good
condition. Kept well. Rather tough - mild subacid
as reported this date. "Not better than Pass." 2/21/29

1928 Crop - Shred Oct. 18. Out Feb. 15, 1929. Apr. 2/21/29
(over)

Vigor of Tree: Exceptionally strong average weak. Size:
Exceptionally large average (small).

Foliage: Very abundant (normal) scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright roundish) broad flat spreading.
Central leader: Partially retained (disappeared).

Branching:

Main limbs: Very (medium) long short; Very (medium) slender
stout; Medium (straight) crooked.

Secondary limbs: Numerous (medium) few; (Medium) slender stout;
Drooping.

Twigs: Many (medium) few; (Medium) slender stout; Long (medium)
short; (Straight) branched twiggy; Medium open
dense; Willowy.

Spurs: Very many medium few; Very medium slender stout;
(1/2 - 1 - 2 - 3 inch); Mostly branched (unbranched)
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium (slender open) dense stocky
grower; Top (round) much broader narrower than tall.

No special characteristics.

Illustrations:

Tree photographed

Fruit painted *None*

Fruit modeled

Fruit described #21045-29410

Disease notes by J. W. Roberts:

except for 1 decayed specimen it
is out of storage in good condition.
Has shrivelled somewhat during the
6 days held at room temp. since came
from storage. Tough texture, lacks
juice, slightly astringent, nearly
neutral in flavor. "Of no apparent
value".

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Hewes (Crab)

Orchard location: Section

K

Row

23

Tree *2*

Arlington Accession No.

10874

Year. No.

Red 4/11

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	—	—	:	1927 -	<i>10/4</i>	<i>109587</i>
1923 -	<i>9/3</i>	<i>103874</i>	:	1928 -	—	—
1924 -	—	—	:	1929 -	<i>9/12</i>	<i>111171</i>
1925 -	<i>10/10</i>	<i>107100</i>	:	1930 -	—	—
1926 -	—	—	:	1931 -	<i>10/6</i>	<i>112330</i>

Blossom dates: 1924

1925

1926

1927

Remarks:

Very little information. Scions received by Dr. W. H. Shoemaker Apr. 11, 1911 from T. W. Whitney Washington D.C. without any letter of transmittal. See Caldwell in J. A. R. Vol 36 No. 5 p. 400

Characterization:

Small - but fairly good size for a crab. Oblate, regular. Sometimes indistinctly ribbed. Ground color yellow, mostly all over. Sprawl with red. Stems numerous, yellowish, both submerged and slightly raised, areoles; light grayish over sprawl; some specimens it is heavy. Stem 1", slender. Flesh yellow, very acid, very astringent.

349
Second sheet, Variety

Fences (Crab)

Storage notes: Crop 1927. Stored Oct 11. out of storage Feb. 8/28. Exam. Feb. 13/28. Considerable shriveling - same specimens. badly so, otherwise in good condition. Fine grain, quite juicy, very acid, very astringent.

Vigor of Tree: Exceptionally strong average weak. Size:
Exceptionally large average small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish broad flat spreading.
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping.

Twigs: Many medium few; Medium slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many medium few; Very medium slender stout;
1/2 - 1 - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted #109587

Fruit modeled

Fruit described *None*

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Orchard location: Section

Row 23-24 Tree 1

Arlington Accession No. 6357 (Pom. No. 40538)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	8/3	102228	1927 -	8/4	109233
1923 -	8/14	103430	1928 -	8/14	110257
1924 -	—	—	1929 -	—	—
1925 -	8/8	106538	1930	—	—
1926 -	8/15	107762	1931	—	—

Blossom dates: 1924- 5/2, 40% buds open; 5/6, fruit full.
 1925- 4/15, first bloom; 4/20, fruit full
 1926- 4/30, 40% buds open.
 1927- 4/20, first bloom; 4/25, 20% buds open
 7/1, 90% buds open - petals falling

Remarks:

One of the most sharply acid varieties at Arlington. See Coldwell-J.A.R. Vol. 36, No. 4, Chemical Composition of apple juices as affected by climatic conditions" p. 306.

Characterization: Good size, somewhat irregular in form - In general roundish conic, sometimes a little oblate; in 1928 noted as mostly oblate; lobes apt to be unequal, indistinct ribbing some seasons, other ribbing quite pronounced, ground color yellow when fully ripe, self-colored but overpread with milky wash - sometimes in stripes and splashes. Dots fairly numerous - one season noted as irregular, brownish; in 1927, as whitish, submargined, inconspicuous, also a few small brownish dots. In 1925 some specimens had very small rust leather lesions about base but these were absent in 1926. Cavity deep, moderate width; nested in cavity. Stem 1/2" or less. Basin fairly broad (over)

moderately deep, wide at base; calyx lobes moderately large, reflexed; eye rather large. Flesh white or very lightly tinged yellow, fairly fine grained, firm, moderately juicy, extremely acid. Dr. Caldwell (see above citation) reports acidity much higher than any other apple variety in the Huntington Collection - so far as his investigations revealed.

The Pam. No 40539 is recorded as Hogg, though the orchard record appears to be Hogg. Scions of Hogg were received 4/1/77 from A. J. Kyker, Ziegler, Tenn.

251
Second sheet, Variety *Fogg*

Storage notes: 1926. Held in office refrigerator until Jan 4, 1927; since harvested in August. Considering conditions specimens have kept remarkably well. Surface is very oily and somewhat shrunken, otherwise the physical condition appears to be good. Flesh is fine grained, tender, quite juicy - remarkably so considering date picked and present date; mild subacid - in contrast to high acidity previously noted; not of high quality but fairly good.

Vigor of Tree: Exceptionally strong average weak. Size: " *Good* Exceptionally large (average) small.

Foliage: Very abundant normal (scanty). Leaves: Very large (medium) small; Color: Light dark normal. *Some leaves apparently have dropped.*

Habit of Growth: Very (upright) roundish broad flat (spreading). Central leader: Partially retained disappeared. *9/10/25*

Branching: *well branched*

Main limbs: Very medium long short; Very (medium slender) stout; Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout;

Twigs: *any secondary branches* Drooping. *well branched* (Many) medium few; Medium (slender) stout; Long medium short; Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very many (medium) few; Very (medium slender stout); 1/2 (1 - 2) - 3 inch; (Mostly branched, unbranched); Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

Illustrations: *A fairly good type of tree*

Tree photographed *Reps. 710, 50730*

Fruit painted #107762 + 109233 Fruit modeled

Fruit described *None*

Disease notes by J. W. Roberts:

Many leaves have dropped - cause not determined.

VARIETY APPLE ORCHARD

Arlington Farm

352

Variety: Hog Island (Hog Island Sweet)

Orchard location: Section G Row 23-24 Tree 2

Arlington Accession No. 6358 (Am. No. 40539)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	8/3	102230	1927 -	8/15	109274
1923 -	8/27	103863	1928 -		
1924 -	—	—	1929 -		
1925 -	8/7	106539	1930		
1926 -	9/1	107863	1931		

Blossom dates: 1924- 5/2, 50% buds open; 5/6, full bloom - light bloom.
 1925- 4/15, 50% " " ; 4/20 " "
 1926- 4/30, 25% " "
 1927- 4/25, buds showing pink; 5/1, 25% buds open (backward)

Remarks: Identity was considered doubtful in 1922 but apparently not questioned in subsequent years.
 Scions received 8/13/08 from private collection of W. H. Irwin, Arlington.

Characterization: Size variable averaging about medium; usually regular, uniform but sometimes sides a little unequal; oblate, ground color greenish white with light wash of red over most of surface - better developed on fruits more highly colored - indistinct striping; a buttermilk overspread. Dots scattered, whitish, very small inconspicuous - some brownish, cavity-russeted. Flesh tinged yellow, fairly fine grain, good body, firm, somewhat lacking in juice; at extreme seasons rather lacking in richness but pleasant to one liking a sweet apple. Jersey Sweet is the better apple of the two.

Storage notes:

9/14/28

Vigor of Tree: Exceptionally strong average weak. Size:

" *Good*Exceptionally large (average) small.Foliage: Very abundant normal scanty. Leaves: Very large
medium (small); Color: Light dark normal.*Much of foliage now off -*Habit of Growth: Very upright (roundish broad flat spreading),
Central leader: (Partially retained) disappeared.Branching: *well branched - good number limbs, smooth*Main limbs: Very medium long short; Very medium slender *Rather slender*
stout; Medium straight crooked.Secondary limbs: Numerous (medium) few: Medium slender stout;
Drooping.Twigs: Many (medium) few; Medium slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.Spurs: Very many (medium) few; Very medium slender (stout);
 $1/2 - (1 - 2) - 3$ inch; Mostly branched unbranched;Spur twigs: Few medium many; Terminal bearing mostly
considerable slight noneGeneral aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.*1928 growth 3" to 6" - rather short.*

Illustrations:

Tree photographed

Neg. Nos. 49036 + 50729

Fruit painted *Several*

Fruit modeled

Fruit described *#* 12938-36887

Disease notes by J. W. Roberts:

*Tree presents a rather open top. There
is a good number of secondary branches
sufficiently far apart and twigs
few enough to produce the open
top effect.*

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

var is Hoover not Hoover

Orchard location: Section

E

Row

17-18

Tree

5

Arlington Accession No.

4303

— This is acc. No. for Haywood

Penn. No.

and the orchard location is OK for #4303

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/1</i>	<i>102489</i>	1927 ..		
1923 -	<i>9/8</i>	<i>103904</i>	1928 -		
1924 -	<i>9/13</i>	<i>105386</i>	1929 -		
1925 -	<i>9/25</i>	<i>106958</i>	1930		
1926 -	<i>—</i>	<i>—</i>	1931		

Blossom dates: 1924

5/1, first bloom; 5/6, full bloom.

1925

4/14, " " ; 4/20, 90% buds open.

1926

1927

Remarks:

This orchard location is OK for acc. No. 4303
but acc. record gives the variety as Haywood - not
Hoover, yet the orchard record (apparently correct) gives
this location to Hoover, which apparently occurs nowhere
else in the orchard.

Characterization:

1925 notes

Medium size - smaller than this variety usually is.
Quite regular, roundish, sometimes a little conic.
Ground color yellowish, nearly entirely overcast
with deep, dark red; sometimes individually striped.
Spots numerous, mostly submerged, rather small,
about apex but unusually large over back of fruit
some appearing as angular cracks in the skin.
Some buttermilk overcast red. Flesh yellowish,
rather fine grain, quite tender, ordinarily juicy,
mild subacid, rather flat, lacks richness, not
high quality - probably rating about Fair.

(over)

(no 2d sheet)

3/2/26

One tree very poor, all
below average, - rather
weak; canker on big at
limbs. Trunk cankers
and bark injury:
upright, spreading.
Branching normal.
Many spurs on secondary
branches; trees weak
and unhealthy?

Paintings: Several
Descriptions: Several

VARIETY APPLE ORCHARD
Arlington Farm

35

Variety: Hope

Orchard location: Section 5 Row 1-2 Tree 4

Arlington Accession No. 6297
Pom. No. 40478

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	8/7	102241	1927 -	8/15	109273
1923 -	—	—	1928 -	8/14	110258
1924 -	—	—	1929 -	—	—
1925 -	—	—	1930	—	—
1926 -	8/8	107763	1931	—	—

Blossom dates: 1924 - no bloom - late starting
scions from Mr. Irwin 3/10/08 1925 - 4/20, few clusters, full bloom. leaf buds late starting.
Propagated from Pom No. 11846 - 1926 - 4/30, no bloom (apparently a few blossoms opened late)
A seedling scion 8/26, 20% buds open; 7/1, full bloom - scattering bloom
of which came from Harry W. Hope, Paint Ohio 4-20-96

Remarks:

From above records it is apparent that, for same reason production was very poor.

Called Hope after the man who sent scions from which trees were propagated. Apparently no record on file of what this variety is called.

Characterization:

Size medium to fairly large same seasons; regular; smooth except indistinct ribbing; roundish to slightly oblate. Ground color greenish yellow, with surface pretty well covered with broken stripes and splashes of red (in same seasons). Flesh tinged yellow, moderately fine grained, fairly juicy, mild subacid. Poor to fair in quality. Sept 1/26 + Aug. 1/27 referred to as still quite firm.

likely green cast in ground color would normally turn yellow. Noted in 1926 that some varieties at Arlington did not color well, some of the yellow ones having a greenish shade, and few stripes on normally striped varieties.

General instructions
for the use of the
instrument

1. The instrument is used for the measurement of the
area of a surface.

2. The instrument is used for the measurement of the
length of a line.

3. The instrument is used for the measurement of the
width of a line.

4. The instrument is used for the measurement of the
height of a point.

5. The instrument is used for the measurement of the
distance between two points.

6. The instrument is used for the measurement of the
angle between two lines.

7. The instrument is used for the measurement of the
area of a polygon.

8. The instrument is used for the measurement of the
volume of a solid.

9. The instrument is used for the measurement of the
weight of a body.

10. The instrument is used for the measurement of the
temperature of a body.

11. The instrument is used for the measurement of the
pressure of a gas.

12. The instrument is used for the measurement of the
density of a liquid.

13. The instrument is used for the measurement of the
viscosity of a liquid.

14. The instrument is used for the measurement of the
conductivity of a liquid.

15. The instrument is used for the measurement of the
refractive index of a liquid.

16. The instrument is used for the measurement of the
optical density of a liquid.

17. The instrument is used for the measurement of the
pH of a liquid.

18. The instrument is used for the measurement of the
conductivity of a solid.

19. The instrument is used for the measurement of the
refractive index of a solid.

20. The instrument is used for the measurement of the
optical density of a solid.

21. The instrument is used for the measurement of the
pH of a solid.

22. The instrument is used for the measurement of the
conductivity of a gas.

23. The instrument is used for the measurement of the
refractive index of a gas.

24. The instrument is used for the measurement of the
optical density of a gas.

Second sheet, Variety

Hope

356

Storage notes:

9/20/28

Vigor of Tree: Exceptionally strong average weak. Size:
" *good* Exceptionally large *(better than)* average small.

Foliage: Very (abundant) normal scanty. Leaves: Very large
(medium) small; Color: (Light) dark normal. *foliage now off considerably.*

Habit of Growth: Very (upright) roundish broad flat (spreading).
Central leader: (Partially retained) disappeared. *Scanty on either side.*

Branching:

Main limbs: Very medium (long) short; Very (medium slender)
stout; Medium straight crooked. *Smooth*

Secondary limbs: Numerous medium few; Medium (slender) stout;
Drooping. *well branched.*

Twigs: (Many) medium few; Medium (slender) stout; (Long) medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium to few); Very medium (slender) stout;
1/2 - (1 - 2) - 3 inch; Mostly branched unbranched;

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Height of tree and spread equal to some of the larger trees
Illustrations: *(see below)*

Tree photographed *Aug. no. 49686 also.*
5:2:3 Aug. no. 47796.

Fruit painted *None*

Fruit modeled

Fruit described *None*

Disease notes by J. W. Roberts:

*The long slender main limbs and secondary
branches give this tree a rather light
and open mass effect.*

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Formused Pearmain (incorrectly)*

Orchard location: Section *H* Row *26* Tree *4*

Arlington Accession No. *6588*

Pam. No. 40813

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>9/23</i>	<i>{102597</i>	:	1927 ..		
	<i>9/29</i>	<i>{102741</i>	:			
1923 -	<i>29/12</i>	<i>104253</i>	:	1928 -		
1924 -			:	1929 -		
			:			
1925 -			:	1930		
			:			
1926 -			:	1931		

Blossom dates: 1924

Scout moved

4/8/08 fruit 1925

H.C. S. Calvill 1926

muscula

Mont - at 1927 least this is the same entry - a mistake somewhere.

Remarks: In 1923 the specimens were identified as apparently Baldwin although the acc. No. shows Formused Pearmain, which according to a painting is a ^{large} yellow apple, while the specimens

Characterization: have the color characteristics of a well developed Baldwin.

This entry is made to account for the acc. No. and the orchard location.

Painting: 37740

Description: 37740

(no 2d sheet)

VARIETY APPLE ORCHARD
Arlington Farm

356

Variety: *Hubbardston*

Orchard location: Section *L* Row *19-20* Tree *1*

Arlington Accession No. *12179* { see A: 23-24: 4.
Pom. No. 56196 { acc. no. 1858. Also Hubbardston

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	—	—	1927 ..	<i>10/4</i>	<i>109588</i>
1923 ..	<i>9/15</i>	<i>104002</i>	1928 -	<i>9/27</i>	<i>110635</i>
1924 ..	<i>10/1</i>	<i>105462</i>	1929 -		
1925 -	<i>9/16</i>	<i>106822</i>	1930		
1926 -	—	—	1931		

Blossom dates: 1924 *Scions were renewed 3/15/12*
~~1925 -~~ (Pom. No. 56196) marked
~~4/14, 75% buds set~~ 1925 *Hubbardston (supposed), all from*
~~4/18, 100% set~~ 1926
1927

Remarks:

In 1923 the note on specimens from Arlington stated:
"Apparently large specimens of Hubbardston". No question as to identity appears to have been raised subsequently.

Characterization:

Notes in other years, as follows:
7/24 - Fine large specimens, but less mature at this date than would be expected. In appearance, quite typical of the variety, but larger than usual. Characteristic flavor and quality have not developed.
7/28/25 - Substance of notes about same as in 1924
10/7/27 - Better finished and finer specimens than from A: 23-24: 4, but characteristic Northern flavor mostly lacking. Not yet quite ripe enough for full flavor.
(over)

Characterization: following notes from
storage specimens Jan. 7, 1929 (1928
crop)

Especially well developed and high, colored.
Size large, roundish, slightly conic.
Ground color golden yellow, fairly well
overspread with bright red and
indistinct stripings. Dots rather numerous,
yellowish, medium sized, slightly raised.
Much leather cracking about apex and
elsewhere. Sometimes a grayish over-
spread. Cavity medium; basin
rather large and deep, sometimes
abrupt. Calyx lobes medium, usually
separated at base, reflexed; eye very
large and open.
Flesh tinged yellow, fairly fine grain,
tender, a little lacking in juice,
mild subacid. Fairly rich with a
suggestion of its characteristic varietal
flavor though not as pronounced as
in the North. Not as high quality
as in the North - good or a little
better.

Pam. No. 56176. Scions of Hubbardston
received 4/13/12 from A. D. Ross,
Sunderland, Mass.

Second sheet, Variety

Hubbardston

359

Storage notes: acc. No. 12179 L: 19-20!1

Crop 1927 stored 10/27. Out of storage 7/4/28.
Exam. 7/8/28. Far beyond storage durability.

A good deal of decay. Rather grainy, lacks
considerably in juice, very mild subacid.
but fairly rich and possesses more of the
characteristic varietal flavor than Arlington grown
specimens usually do at the west time.

1928 spec. stored Oct. 2. Out Jan. 4, 1929. Exam. Jan 7, 1929
No observations on storage condition noted. See Character-

Vigor of Tree: Exceptionally strong average weak. Size: *isolation on first sheet.*
Exceptionally large average small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish broad flat spreading.
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping.

Twigs: Many medium few; Medium slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many medium few; Very medium slender stout;
1/2 - 1 - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted *Several* Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts:

1. The first part of the paper is devoted to a general discussion of the problem.

2. In the second part, we shall consider the special case of the problem.

3. The third part of the paper is devoted to a detailed analysis of the results.

4. In the fourth part, we shall discuss the implications of the results for the theory.

5. The fifth part of the paper is devoted to a summary of the results.

6. In the sixth part, we shall discuss the conclusions of the paper.

7. The seventh part of the paper is devoted to a final discussion of the results.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: Hubbardston

Orchard location: Section A Row 23-24 Tree 4

Arlington Accession No. 1858 { See acc. No. 12179
Pom. No. 24276 { L: 19-20:1. Also Hubbardston

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	9/18	102539	1927 -	9/23	109519
1923 -	9/27	104124	1928 -		
1924 -	—	—	1929 -		
1925 -	10/1	106939	1930 -		
1926 -	—	—	1931 -		

Blossom dates: 1924 - 5/3, full bloom - antony light.
1925 - 4/15, 25% buds open; 4/16, little past full.
1926 - no bloom
1927 - — Pom. No. 24277 should be Hubbardston.

Remarks: There is a mix-up in accession numbers in this case not readily explained. According to the records acc. No. 1856 should be Holland and No. 1859 Hubbardston, scions of both having been received from Geneva in 1902. Holland does not seem to appear anywhere in the orchard records; the fruit received from

Characterization: Wilmington under acc. No. 1858 seems, unquestionable, to have been Hubbardston. It was noted Oct. 10, 1925 that the specimens received were one of the best finished and most attractive lots of the variety - to come from Wilmington. Pom. No. 24276 should read Holland.

Characterization: mostly 1927 notes.
good size, rather large for the variety; roundish to roundish conic, sometimes a little elongated, regular; indistinct ribbing, sometimes (over)

Ground color yellow in this case with only a small amount of the characteristic red color but most specimens have a thin wash of it; others have only broken stripes of red. Apparently in 1925 specimens were much better finished and more highly colored. Dots numerous, variable; some are minute, yellowish, submerged, inconspicuous; others are pale yellow, slightly raised but not conspicuous. Whole surface covered with characteristic leather cracking, giving almost a russet effect. A light grayish overspread. Covely deep, rather narrow; basin medium depth and width, rather large; ^{sides abrupt} calyx lobes reflexed; eye large, open.

Flesh white, or only slightly tinged yellow; fine grain, tender; juicy, mild subacid, with mild suggestion of its characteristic flavor in the mouth (in 1927). In 1925 it was noted that this flavor approached that of northern grown specimens; fairly rich to rich, good to very good, but here again the 1925 specimens seemed to be richer and higher quality than in 1927.
Oct. 10, 1925 - noted as being in prime eating condition.

361
Second sheet, Variety *Hubbardston*

Storage notes: 1927 Crop. Cut, Storage Jan. 5, 1928
Again Jan. 9, 1928. While apparently in good
physical condition, it has probably lost
flavor. A suggestion of coarseness in texture,
though tender, fairly juicy; a suggestion of
true Hubbardston flavor but lacking in
richness, rather flat. Hardly good in quality
apparently past its storage season.
A little breaking down $\frac{1}{5/28}$ of tissue within
the core lines.

Vigor of Tree: Exceptionally strong (average ^{to} weak). Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: (somewhat) Very upright roundish broad flat spreading. $\frac{1}{5/28}$
Central leader: Partially retained disappeared.

Branching: *well branched*

Main limbs: Very medium long short; Very (medium slender
stout; Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout;
(somewhat Drooping)

Trigs: (Many) medium few; (Medium slender stout); Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium) few; Very medium (slender) stout;
 $\frac{1}{2} - 1 - 2 - 3$ inch; Mostly branched (unbranched);
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Trunk is smooth.
Illustrations:

Tree photographed Neg. No. 47893

Fruit painted *several* Fruit modeled

Fruit described *several*

Disease notes by J. W. Roberts:

Aug 10, 1921 Dr. Roberts recorded a
mild infection of bitter rot. No other
mention made of it in any records.

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VARIETY APPLE ORCHARD

Arlington Farm

Variety:

Huber Pippin

Orchard location: Section

I

Row

19-20

Tree

3

Arlington Accession No.

7172 (Pom. No. 43393)

Year	Date Picked	Pomology Number	Year	Date Picked	Pomology Number
1922	10/13	102843	1927	9/19	109441
1923	—	—	1928	9/27	110634
1924	—	—	1929	11/6 *	110540(?)
1925	9/23	106852	1930	2/12	111172
1926	10/4	108313	1931	9/18	111657
				10/6	112331

Blossom dates:

1924- 5/2. full bloom
1925- 4/15, 90% buds open; 4/30 past full
1926- 4/30, full bloom.

1927- 4/16, 25% buds open.
1928- 4/20, first bloom; 4/26, 30% buds open; 5/1 full bloom.

Remarks:

* Nov. 16, 1928 specimens picked from ground. apparently same mistake in Pom. No.

Received as accessions 3/25/09 from J.R. Hickman, Johnstown Pa.
In 1925 clear resemblance to Shannan (8:9-10:5) was noted - possibly identical, but in 1926 such close resemblance was not sustained except as to general form and color.

Characterization:

Size: good to large; oblate conic; lobes frequently unequal; some fruits compressed; ribbed sometimes making cross sections somewhat triangular in form; ground color greenish yellow, but losing most of green when completely mature; sometimes coppery, bronze on exposed side; considerable bull's milk overspread. Dots variable in number and size; some specimens numerous, brownish, others few and inconspicuous. Cavity medium width, fairly deep; stem 1/2 to 5/8, rather slender; coarse russeting in cavity; basin shallow to medium depth, rather broad; calyx lobes large, fairly long, separated at base; (over)

Converging; eye large, usually closed except for spaces between lobes. Flesh yellowish, usually fine grain excepting specimens held for a considerable period then becoming a little coarse; quite juicy, mild subacid;

Fairly rich though not better than fair to good in quality. 193/26, flavor not yet fully developed. One season described as almost sweet. One season flavor given as

mildly suggestive of orange peel flavor.

• but not mentioned in any other season.

In 1926 the surface developed a finish best described as "box pitted" - almost the opposite of the pimpling of Twentyounce but this apparently occurred in only that one season. However malformations in appearance and finish was mentioned nearly every season.

363
Second sheet, Variety

Huber Pippin

Storage notes:

1926 crop. Out of storage 2/5/27 Exam 2/28/27
ground color still has greenish cast, but
pretty fully matured. Has kept well. Flesh crisp
and breaking but lacks richness, somewhat
astringent; not attractive. ^{in appearance} Breaking texture and
abundant juice mentioned as most striking characters
1928 Crop. Stored 10/2/28. Out 1/4/29. Exam 1/7/29
No special mention of condition; texture tends to
toughness but quite juicy, mild subacid; not as
flat in flavor as many varieties but no particular character;
Vigor of Tree: (Exceptionally strong) average weak. Size: fair to good
(Exceptionally large) average small.

Foliage: Very (abundant) normal scanty. Leaves: Very large
medium small; Color: Light dark normal. Mostly retained
this date

Habit of Growth: Very (upright roundish broad) flat spreading.
Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very medium (long) short; Very medium slender
(stout); Medium (straight) crooked.

Secondary limbs: (Numerous) medium few; (Medium) slender stout;
Drooping.

Trigs: Many (medium) few; (Medium) slender stout; Long (medium)
short; (Straight) branched twiggy; Medium open
dense; Willowy.

Spurs: Very many medium (few) Very medium slender (stout)
(1/2 - 1) - 2 - 3 inch; Mostly branched (unbranched)
Spur twigs: Few medium (many) Terminal bearing mostly
(considerable) slight none

General aspect of tree: (Medium slender open dense stocky
grower) Top (round much broader narrower than tall)

A very fine sturdy, stocky tree with great bearing surface.
Illustrations:
Tree photographed

Fruit painted 108313

Fruit modeled

Fruit described None

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Huntsman*

Orchard Location: Section *A* Row *23-24* Tree *5*

Arlington Accession No. *1859*

Pom. No. 24277

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/18</i>	<i>102536</i>	1927 ..		
1923 -	<i>9/28</i>	<i>104137</i>	1928 -		
1924 -	<i>10/8</i>	<i>105682</i>	1929 -		
1925 -	—	—	1930		
1926 -	<i>10/20</i>	<i>108680</i>	1931		

*Pom. No. 24278, acc.
No. 1860 should be
Huntsman. . .
A bad mix-up some-
where.*

Blossom dates: 1924 *Pom. No. 24278 - Huntsman -*
1925 *seems from N. Y. Sta in 1902*
1926 *note re No. 24278 under Vandevere*
sites it was not Huntsman but
somebody called it Vandevere.
1927

Remarks: *see statement regarding mix-up in*
accession numbers under Hubbardston
are No. 1858. The present number is a part of
the same mix-up. The acc. record shows No. 1859
as Hubbardston from Geneva and Huntsman as
acc. No. 1860 from same source. However,
fruits notes received as No 1859 indicate
Characterization: *clearly the variety was Huntsman*
and not Hubbardston.
1926 notes

ground
color, rich golden yellow, without any blush
as a rule, - occasionally a trace appears (Perhaps
in some seasons there would be more) dots
of 2 types - whitish, submerged, almost imperceptible
brownish, small, slightly raised, conspicuous
on yellow ground. Flesh yellowish, rather
fine grain, fruits a little wilted and some.
what tough texture; moderately juicy, mild
subacid with peculiar flavor which may
be result of wilted condition. Not above fair
in quality. (see stone notes)

(see stone notes)

~~Specimens have developed pretty well~~
~~but its susceptibility to decay~~
in answer note 2 page.

345
Second sheet, Variety *Fruitsman*

Storage notes: 1926 Crop. Out of storage 3/25/27.
Exam. 4/11/27. Physical condition good.

Flesh yellowish, very fine grain, tender with almost a buttery texture. Fairly juicy, mild subacid, with no distinctive flavor, lacks richness; only fairly good. Though physical condition is good, apparently it is past its season in quality, though at best not very high as

Vigor of Tree: Exceptionally strong (average) weak. Size: *grown at Arlington*
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat (spreading)
Central leader: Partially retained disappeared. 11/6/28

Branching: *well branched - smooth*
Main limbs: Very medium long short; Very (medium slender) stout; Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout; Drooping.

Twigs: (Many) medium few; Medium (slender) stout; (Long) medium short; Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very (many) medium few; Very medium (slender) stout; (1/2 - 1) - 2 - 3 inch; Mostly branched (unbranched)
Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

Trunk smooth.
Illustrations: Tree photographed Neg. Nos. 42668 & 47873

Fruit painted *several* Fruit modeled

Fruit described *several*

Disease notes by J. W. Roberts: 1926 notes. Specimens have developed with well but susceptibility to decay, not entirely better rat to which it is much subject, is pronounced; most of specimens show a good deal of decay.

11/15/26

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Hurlbut*

Orchard location: Section *A* Row *25* Tree *2*

Arlington Accession No. *1861* (*Pam No. 24279*)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/5</i>	<i>102493</i>	1927 ..		
1923 -	<i>9/13</i>	<i>103915</i>	1928 -		
1924 -	<i>10/8</i>	<i>105683</i>	1929 -		
1925 -	—	—	1930		
1926 -	—	—	1931		

Blossom dates: 1924

1925

1926

1927

Remarks:

Scions received from Geneva, N.Y. 1902
Identity of this variety remained uncertain to the end. Insufficient information as to what it is like. In 1923 it was noted that the specimens agreed fairly well with the description on file made of specimens of Hurlbut (supposedly) from C. S. Scott, but not with paintings of specimens from J. W. Van Dusen, nor with Becher's description in Apples of N.Y.
Characterization: 1924 Notes. Size, medium, roundish-oblote; ground color yellow, covered with wash of red and indistinct striping; dots fairly numerous, large, brownish, areole, conspicuous. Stems and leather cracking; russet in cavity. Flesh white, fairly fine grain, tender, juicy, slightly subacid, fairly rich, but a little too acid. Appearance like an excellent apple. Prime being considered as to maturity 10/12/24. Checks fairly well with description No. 10161, though dots are different. Does not check with models of Hurlbut (supposedly) nor with painting No. 18305 (No 2 sheet)

3/4/26

From healthy looking
characteristic about it
medium size, upright
spreading, branching,
leaves and flowers not small.

Ref No. 44717

Painting: #18385

Excursions: #18385--30525

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Hyslop (Crab)*

Orchard location: Section *E* Row *2* Tree *5-*

Arlington Accession No. *4949*

Pom. No. apparently not recorded

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>8/29</i>	<i>102485</i>	1927 ..		
1923 -	<i>9/8</i>	<i>103905</i>	1928 -		
1924 -	<i>9/13</i>	<i>105390</i>	1929 -		
1925 -	<i>9/5</i>	<i>106738</i>	1930		
1926 -	—	—	1931		

Blossom dates: 1924 *4/25, 50% buds open; 5/1, full bloom.*
1925 *4/14, 90% " " 4/20, just full bloom*
1926
1927

Remarks: *2 trees received 4/1/05 from Phoenix Nur. Co. Bloomington, Ill.*

Characterization: *1925 Notes*

Excellent size for a crab apple. Roundish, fruit regular except for a little indistinct ribbing. Ground color yellowish, nearly entirely overpread with a very deep purplish red and covered with a heavy bluish bloom. Flesh yellowish; specimens though fairly firm in most cases, appear to be much overripe; decidedly lacking in juice. White grain is fairly fine, flesh is dry and mealy (over) 9/16/25. (Probably held too long at room temp. Picked 9/5, no 2nd shot)

3/1/26,

Tree small, upright,
spreading; branching
normal; many slender
twigs and sprigs.

Paintings: 12739

One not numbered
painted at South
Harbor. Mich

Description: none

Illinois Favorite

acc No. 6359

5:23-24:3

acc No. 7207

J: 3-4:5

All available data should be checked with Pack, Nero and Humbler since question has been raised as to whether all these varieties (as grown at Arlington) may not be identical. If so which is correctly named? And are the crosses in the mixing of varieties and records at Arlington or was some running involved?

4/11/42

WBS

Fink (acc No. 4201) may also be involved in this consideration since it was apparently considered same as Nero in one code at least. see storage card for 6359
Oct 13/26

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Illinois Favorite*

Orchard location: Section *I* Row *3-4* Tree *5*

Arlington Accession No. *7207* (see *5: 23-24: 3.*)
Pom. No. likely 43476. (over) (acc. No. 6359 - also Ill. favorite)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>7/28*</i>	<i>102211</i>	1927 -	<i>9/28</i>	<i>109589</i>
1923 -	<i>11/1</i>	<i>104352</i>	1928 -	<i>10/23</i>	<i>110718</i>
1924 -	<i>(10/20*)</i>	<i>108681*</i>	1929 -		
1925 -			1930		
1926 -	<i>(10/20)</i>	<i>108681</i>	1931		

Blossom dates: 1924- *5/2, 75% buds open; 5/6, petals mostly off*
1925- *4/15, 50% " " ; 4/20, post full.*
1926- *5/3, post full bloom, petals falling rapidly*
1927- *4/16, 25% buds open*
1928- *4/20, first bloom; 4/26, 25% buds open; 5/1, 90% buds open.*

Remarks:

* Obviously some mistake in this picking date.

* } Evidence, however points to both of these records (1924 and 1926) are in fact 1926 records with no specimens in 1924. The 2d 1926 record is from a storage card. Notes made on the card marked for 1924 are dated *11/6/26*.

Characterization: 1926 + 1928 notes - latter from record *4/5/29* (question as to relation to New, Munster and Park to be settled)
Size above medium; roundish conic to slightly oblate; ground color yellow, pretty well overexposed with a fairly heavy wash of medium to bright red, with more or less striping; stripes narrow somewhat in nature of penciling. Dots variable, not numerous, some are large, areoles, raised, others are small, dark brown, sometimes a few appear as slight breaks in the skin. Cavity medium; stem *5/8" to 3/4"* slender; considerable variety in cavity. Basin medium depth but broad, sides abrupt, slightly ribbed. sepals large, long, converging, rather thick; eye usually closed - sometimes partially open. Flesh yellowish, (over)

grain rather coarse, somewhat satiny,
moderately juicy to a little locking, very
mild subacid, almost neutral, locking
in richness. Not much better than
fair in quality. Flavor locking rather
than objectionable in any way.

Mr. Irwin undoubtedly had this variety -
in his private collection in Eckington.
In 1909 he sent seeds of it under
Pam. No. 43476 to H. C. B. Corvill
Massachusetts. Most likely also he
sent them to Arlington at the same
time though presumably he had
sent them there the year previously.

370
Second sheet, Variety

Illinois Favorite

Storage notes:

Acc. No. 7207
1928 crop. Stored 7/27/28. Out of storage 7/19/29. Held at room temp. until 4/5/29, then examined. Physical condition appears good as fruit are firm and hard, and but very little showing. Several specimens decayed during period they were held at room temperature.

Vigor of Tree: Exceptionally (strong) average weak. Size: Exceptionally (large) average small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small. Color: Light dark normal.

40% of foliage still retained this date

Habit of Growth: Very upright roundish broad flat spreading. Central leader: Partially retained disappeared.

11/15/28

Branching:

Main limbs: Very (medium) long short; Very medium slender (stout); Medium (straight) crooked.

Secondary limbs: Numerous (medium) few: (Medium) slender stout; Drooping.

Twigs: Many (medium) few: (Medium slender stout); Long (medium) short; Straight branched twiggy; (Medium open dense) Willowy.

Spurs: Very many (medium) few; Very (medium) slender stout;

(1/2 - 1 - 2 - 3 inch); Mostly branched (unbranched)

Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: (Medium slender open) dense (stocky grower); Top (round) much broader narrower than tall.

see below

Illustrations:

Tree photographed Neg. No. 49676

Fruit painted None

Fruit modeled

Fruit described None

Disease notes by J. W. Roberts:

a strong stocky tree, developed on basis of 3 main limbs. All secondary limbs branch from these. Each main limb constitutes a sort of unit in itself.

... ..

... ..

1. 1940年12月1日，国民党政府任命陈立夫为中央宣传部长。

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Illinois Favorite*

Orchard Location: Section *G* Row *23-24* Tree *3*

Arlington Accession No. *6359* (see *f: 3-4: 5*
(*Pam. No. 40540*) (acc. No. *7207*, also *Ill. Favorite*)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>10/26</i>	<i>102873</i>	1927 -		
1923 -	<i>11/1</i>	<i>104353</i>	1928 -		
1924 -	<i>10/28</i>	<i>106012</i>	1929 -		
1925 -	<i>10/12</i>	<i>107101</i>	1930		
1926 -	<i>10/13</i>	<i>108314</i>	1931		

Blossom Dates: 1924- *5/2, full bloom*
1925- *4/15, little past full bloom*
1926- *4/30, full bloom - petals dropping*
1927- *4/12, 50% buds open.*
1928- *4/20, first bloom; 4/25, 35% buds open; 5/1, full bloom.*

Remarks: *Scions received 3/12/08 from private collection of J. H. Green. On specimen label of 6359 for 1923, I noted conviction that this and f: 14: 5 were identical and that they were both *Thimble*. In 1924, I thought it was *Hero* (H.S.). Same conviction stated in 1926. See other notes on acc. No. 6359 under *Hero*.*

Characterization: *Common in 1923 comparing these specimens with Vandewere follow: *** the specimens could be taken for Vandewere easier than not. There are specimens of each so much alike in their exteriors that it should be exceedingly difficult to separate them. Vandewere tends to be indistinctly ribbed; Illinois Favorite is very regular. The red over markings on Vandewere suggest striping and speckling, on Ill. Fav. they are narrow pencil-like. The dots of Vandewere tend to be streaked on Ill. Fav. they are roundish points surrounded by yellow areolate markings. The flesh color of Ill. Fav. is a little deeper yellow, a little coarser grained, and not quite as rich as Vandewere. (over)*

For characterization see sheet for
acc. No. 7207 (J: 3-4:5)

See further statement for
acc. No. 6359 under Hero
for years 1926, 1927, & 1928.

Second sheet, Variety

Illinois Favorite

Storage notes:

(acc. No. 6359)

372

Vigor of Tree: (Exceptionally strong) average weak. Size:
Exceptionally (large) average small.

Foliage: (Very abundant) normal scanty. Leaves! Very (large)
medium small; Color: Light (dark) normal.

9/14/28

Habit of Growth: Very upright (roundish ~~broad~~ flat ~~spreading~~)
Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very medium long short; (Very) medium slender
(stout) Medium straight (crooked) Smooth

Secondary limbs: (Numerous) medium few: Medium slender stout;
Drooping.

Twigs: (Many) medium few: Medium slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy. Making considerable shade.

Spurs: Very many (medium) few: Very medium slender stout;
1/2 - (1 - 2 - 3 inch) Mostly branched unbranched;

Spur twigs: Few medium (many) Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

One of the shurdiest of any variety with great bearing surface.
Illustrations:
Tree photographed

Fruit painted none

Fruit modeled

Fruit described none

Disease notes by J. W. Roberts:

A little leaf spot, Tree R23, worse than R24!

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VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Imperial Rambo (Summer Rambo)*

Orchard location: Section *5* Row *7-8* Tree *2*

Arlington Accession No. *6314* (Pom. No. *40479*)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -			1927 -	<i>8/19</i>	<i>109362</i>
1923 -			1928 -	<i>8/14</i>	<i>110273</i>
1924 -			1929 -		
1925 -			1930		
1926 -	<i>8/27</i>	<i>107800</i>	1931		

Blossom dates: 1924 - *5/2*, 90% buds open; *7/6*, fruit full
W. H. Cowie 1925 - *4/15*, 40% " " ; *4/20*, " "
3/9/08 from private collection 1926 - *4/30*, 25% " "
in Washington 1927 - *4/25*, first bloom; *5/1*, 95% buds open.

Remarks: Accession records indicate this variety was received as Imperial Rambo but the fruit as received each of the 3 years was labeled Summer Rambo. When, or by what authority (if any) the name was changed is not now clear (*3/1/42*). However, it was apparently of Summer Rambo type.

Characterization: and likely somebody's supposed strain of that variety. Sept. 3, 1926 it was noted that specimens of this lot were smaller than other Summer Rambo lots examined; are immature in appearance, greenish in color with practically no striping, and they had an immature taste but texture soft, and seemingly physiologically ripe. Lacking the usual high quality of Summer Rambo, but very juicy. Sept 2, 1927 it was noted that fruit of this lot was comparable in size with Acc. No. 6296; 6327 also mentioned. all 3 lots composed of fruit from same tree to large (over)

Characterization: Aug. 17, 1925 the following notes were recorded: Of the 4 lots of Summer Rambos, delivered at this time including besides this lot, acc. Nos. 6295(?), 6296, and 6327 this lot is in same respects the best.

Size somewhat variable but some specimens larger than in any of other lots. and average somewhat more color than the other lots, those being rather immature (in appearance at least) and without much color. However, this lot is lacking in red coloring also compared with the variety at its best.

Good size, some specimens fairly large, regular, oblate, ground color greenish yellow, (turn more yellow when fully ripe); about $\frac{1}{2}$ the surface thinly washed with red and broken stripes and splashes of red. dots numerous about apex, whitish, small, inconspicuous, also some brownish, slightly raised. Corolla medium; stem about $\frac{1}{2}$ " moderately stout; basin broad, rather shallow; calyx lobes, long, large, mostly converging; eye large, mostly closed but sometimes partially open. Flesh light, tinged yellow, fairly fine grain, quite tender, juicy, mild subacid but fairly sprightly, fairly rich, good to very good. The other lots of Summer Rambos referred to are comparable except that they are not as well colored as this lot and may be a little less mature. (No 2 & 3rd)

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Indian*

Orchard location: Section *6* Row *7-8* Tree *4*

Arlington Accession No. *3004*

Pom. No. 24474

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>10/7</i>	<i>102779</i>	1927 -		
1923 -	<i>10/8</i>	<i>104203</i>	1928 -		
1924 -	<i>11/4</i>	<i>105958</i>	1929 -		
1925 -	<i>10/16</i>	<i>107102</i>	1930		
1926 -			1931		

Blossom dates: 1924 *5/1 full bloom*
1925 *4/14, 20% buds open; 4/18 full bloom.*
1926
1927

Remarks: *Received Apr. 5, 1902 from
Benj. Buckman, Farmingdale Ill.*

Characterization: *Size medium to above; regular,
roundish canis to oblong canis, the apex
narrowing quite decidedly. Ground color
yellowish, overfaded with red, sometimes
dull and pinkish, with more or less striping.
Dots variable, numerous, some whitish
submerged, more or less conspicuous. Some
specimens have a light bluish white overfaded.
Attractive in appearance. Flesh exceptionally
yellow, fine grain, considerable body, fairly
tender, moderately juicy, mild subacid, flat
and poor quality. Apparently of no particular value.
(over) (no 22 sheet)*

2/27/16.

molting characteristic about
the tree, medium size,
upright, spreading,
normal branching.

Paintings: several
occupations: several

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Indiana Favorite*

Orchard location: Section *8* Row *17* Tree *4*

Arlington Accession No. *8202*

Form. No. missing.

renewed red 3/23/10

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/23</i>	<i>102561</i>	1927 -	—	—
1923 -	<i>10/12</i>	<i>104257</i>	1928 -	<i>9/27</i>	<i>110536</i>
1924 -	<i>10/18</i>	<i>106040</i>	1929 -	—	—
1925 -	<i>10/12</i>	<i>107103</i>	1930 -	—	—
1926 -	<i>9/24</i>	<i>108312</i>	1931 -	<i>10/6</i>	<i>112332</i>

Blossom dates: 1924 - *5/2, 90% buds open; 5/6, a little past full.*
 1925 - *4/15, 90% " " ; 4/20 " " "*
 1926 - *5/3, full bloom.*
 1927 - *4/20, first " ; 4/26, 25% buds open; 5/2, past full - very light bloom.*

Remarks:

Apparently the fruitings of this variety in the files vary considerably and there is some question as to just what it is like. Some indication that fruits were more oblate in certain seasons than in others.

Characterization: *Size above medium; oblate, slightly conic. Ground color yellow nearly covered with bright red, indistinct stripes and better colored parts, more distinct on less well colored specimens; dots numerous, medium size, yellowish, conspicuous, some areole; light bluish bloom. Cavity-medium depth, rather narrow; stem about 1/2" medium; basin rather shallow to medium depth, broad; calyx lobes rather flat, convexing; eye large, in most cases open. Flesh tinged yellow, fine grain, firm, quite juicy, mild subacid, fairly rich, good to very good. Good eating condition 9/27/25 from storage. Not fully mature 9/22/25. Same resemblance to Bennett.*

Second sheet, Variety *Indiana Favorite*

Storage notes: Crop 71925 stored 12/28; ant 11/15/28
exam. 11/27/28 Still rather firm, though in good
eating condition

11/15/28. Now held since 11/22 not stated.
grain a little coarse but tender, moderately
juicy, mild subacid, fairly rich, good to very
good.

11/14/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.
(Below)

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal. *all off*

Habit of Growth: Very (upright roundish) broad flat spreading.
Central leader: Partially retained (disappeared).

Branching:
Main limbs: Very (medium) long short; Very (medium) slender
stout; Medium (straight) crooked.

Secondary limbs: Numerous (medium) few: (Medium) slender stout;
(somewhat drooping)

Twigs: Many medium (few) Medium (slender) stout; Long (medium)
short; (Straight) branched twiggy; Medium (open)
dense; Willowy.

Spurs: Very many (medium) few; Very medium (slender) stout;
(1/2 - 1 - 2) - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium (slender open) dense stocky
(grower; Top round) much broader narrower than tall.
*Rather unsymmetrical scraggly tree, poor form of no
particular type.*

Illustrations:
Tree photographed

Fruit painted *Several* Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Ingram*

Orchard location: Section *F* Row *3-4* Tree *1*

Arlington Accession No. *4339*

Pom. No. 28495

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/23</i>	<i>102595</i>	1927 -	<i>9/28</i>	<i>109590</i>
1923 -	<i>10/8</i>	<i>104206</i>	1928 -		
1924 -	—	—	1929 -		
1925 -	<i>10/7</i>	<i>107003</i>	1930		
1926 -	<i>9/24</i>	<i>108315</i>	1931		

Blossom dates: 1924 - *5/6, 20% buds open - very light bloom.*
 1925 - *4/20, first bloom; 4/23, 40% buds open.*
 1926 - *4/30, cluster bud stage.*
 1927 - *5/2, - past full, 25% petals off - full bloom about 4/31*

Remarks: *Scions from W. T. Fournoy, Harrowville, Mo. 3/21/03*

Characterization: *Size medium or below; roundish conic, occasionally compressed. Ground color yellowish, nearly covered with fairly heavy wash of bright red, with fairly distinct stripes. Stems numerous, yellowish, slightly indented; rather conspicuous for small dots; heavy purplish bloom; cavity narrow and rather shallow (small in other words), (stem 1/2", fairly stout; basin rather shallow - medium width; calyx lobes large, reflexed; eye closed [which is not usual with reflexed sepals]. Flesh tinged yellow, fine grain, firm, moderately juicy. Mild subacid; 10/27 mature, too hard for quality note. 1926 notes refer to numerous seeds - rarely a capsule with less than 2, and sometimes 3 in each.*

From storage 1/31/27. only fair in quality
quality; still hard and firm; possibly
better quality later on.

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Second sheet, Variety *Ingram*.

Storage notes:

1926 Crop. Stored 1/8; out 1/31/27. Still
pretty hard and firm; only fair in quality -
possibly better later.

1927 Crop. Stored 10/7/27 Out 1/19/28. In excellent
condition; mild and acid approaching sweet.
fairly rich, good. Still too hard for full quality
to have developed. [These notes on 1927 stored fruit -
made Feb. 8/28]. March 9, 1928. Fruit held in
office refrigerator since unopened Feb. 8. Kept
well - a little shriveling. Texture a little grainy, (over)

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish) broad flat (spreading)
Central leader: (Partially retained disappeared) 26/28

Branching: well branched.

Main limbs: Very medium long short; Very (medium slender)
stout; Medium straight crooked. Smooth.

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping. Fairly well branched.

Twigs: Many (medium few) Medium (slender) stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium few) Very (medium slender stout);
1/2 - 1 - 2 - 3 inch; Mostly branched (unbranched)

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations: Open, diffuse top; small twigs and spurs
prominent in general aspect.
Tree photographed Neg. no. 47983

Fruit painted Several Fruit modeled

Fruit described Several

Disease notes by J. W. Roberts:

a little tough, fairly juicy, mild subacid;
no distinctive flavor; not better than good.

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Jawa Beauty [Incorrect]

Correct identity never determined.

Orchard location: Section *A* Row *25-26* Tree *3*

Arlington Accession No. *1862*

Bur. No. 24250

This record made to account for acc. No. and orchard location.

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>7/26</i>	<i>101633</i>	1927 -	<i>8/4</i>	<i>109234</i>
1923 -	<i>8/16</i>	<i>103426</i>	1928 -		
1924 -	—	—	1929 -		
1925 -	<i>8/7</i>	<i>106572</i>	1930		
1926 -	<i>8/25</i>	<i>107764</i>	1931		

Blossom dates: 1924- *4/26*, first bloom; *5/3*, past full
1925- *4/13*, 90% buds open.
1926- *4/28*, 90% " "
1927- *4/12*, 30% " "

Remarks: *Bur. No. 24250. Scions received from Prof. Beach, Geneva, N.Y. in 1902. Acc. No. 1862 is recorded as Jawa Beauty and planting record corresponds thereto.*

Presumably a mistake was made in handling the stock prior to planting. Noted as incorrect.
Characterization: *in each of the above 5 years for which size medium and above; there are fruit records. fairly regular; somewhat to slightly oblate. Ground color greenish white, sometimes yellowish with green tinge (self-colored). Fairly heavy overspread of buttermilk about base; heavily whitish bloom; a few dark colored dots that are really minute breaks in skin; other light colored dots are submerged; cavity heavily marked; flesh tinged yellow, rather coarse grain, fairly tender, medium juicy, mild subacid, pleasant - (a very good eating apple. In 1925, seemed to have very short period of durability, especially if slightly injured; this not apparent in 1926. Seemingly of greater merit (over)*

than many other apples of its season.

(no 2nd sheet)

Second sheet, Variety

Iowa Beauty [Incorrupt]

Storage notes:

1/5/28

Vigor of Tree: Exceptionally strong average weak. Size:
" *Good*, Exceptionally large ^(liberally) average small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat spreading.
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very (medium slender
Smooth stout); Medium straight crooked.
Secondary limbs: Numerous medium few: Medium slender stout;
Drooping.

Twigs: (Many) medium few; (Medium slender stout); Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very (many to medium) few; Very medium slender stout;
1/2 - 1 - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

*Secondary limbs come out towards top of main limbs,
leaving lower part of latter bare - This may*
Illustrations: Tree photographed Neg. No. 47394 be due to manner of pruning.

Fruit painted *None*

Fruit modeled

Fruit described # 29602 (*Iowa Beauty - authentic*)

Disease notes by J. W. Roberts:

*Trunk somewhat
rough
with old
bark.*

1. The first part of the paper discusses the importance of maintaining accurate records of all transactions. It is essential for the business to have a clear and concise record of all income and expenses. This will help in the preparation of the tax return and in the event of an audit.

2. The second part of the paper discusses the importance of maintaining accurate records of all assets and liabilities. This will help in the preparation of the balance sheet and in the event of an audit.

3. The third part of the paper discusses the importance of maintaining accurate records of all income and expenses. This will help in the preparation of the tax return and in the event of an audit.

4. The fourth part of the paper discusses the importance of maintaining accurate records of all assets and liabilities. This will help in the preparation of the balance sheet and in the event of an audit.

5. The fifth part of the paper discusses the importance of maintaining accurate records of all income and expenses. This will help in the preparation of the tax return and in the event of an audit.

6. The sixth part of the paper discusses the importance of maintaining accurate records of all assets and liabilities. This will help in the preparation of the balance sheet and in the event of an audit.

7. The seventh part of the paper discusses the importance of maintaining accurate records of all income and expenses. This will help in the preparation of the tax return and in the event of an audit.

8. The eighth part of the paper discusses the importance of maintaining accurate records of all assets and liabilities. This will help in the preparation of the balance sheet and in the event of an audit.

9. The ninth part of the paper discusses the importance of maintaining accurate records of all income and expenses. This will help in the preparation of the tax return and in the event of an audit.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Irish Peach (?)*

Orchard location: Section *F* Row *8* Tree *1* (4350)
4 (4373)

Arlington Accession No. *4350* (S.P. 6768)

Pom. No. 28460 (4350); *28459* (4373)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>7/18</i>	<i>101591</i>	1927 -		
1923 -	<i>7/10</i>	<i>103364</i>	1928 -		
1924 -	<i>8/29</i> (4373)	<i>105190</i>	1929 -		
1925 -	—	—	1930		
1926 -	—	—	1931		

Blossom dates: 1924

*Scions used were
were cut from
nursery trees on
the flats. These
were recorded as
No. 21720*

*Information on file is
very fragmentary. Both
numbers are S.P.*

*introductions. Acc. No. 4350
(S.P. 6768) was received from*

Remarks:

*Camden, New South Wales from
Ferguson & Son, June 19, 1901. Acc. No. 4373
(S.P. 6748) was received same date from
Emerald, Victoria, through C. A. Nobels.
Both lots received March 3, 1903, from S.P.
in flats as 8" scions on 2 1/2" root sticks.*

Characterization:

*No fruit notes made on specimens of
No. 4350, except in 1923 doubt was expressed
as to identity. Only one record (1924) is on
file of No. 4373. (This is to effect that this fruit
is much smaller than painting Pom. No. 16334
and it was more lightly colored, being fairly
well covered with bright red stripes. Core
formation and ground color of skin comparable
with painting. Uncertainly as to what the variety
would look like grown here. Flavor rather flat
and no apparent value here. (No 2d sheet)*

acc. No. 4350

Blossoming dates. 1924, $\frac{4}{25}$, 50% buds open;
 $\frac{5}{2}$ full bloom.

1925, $\frac{4}{14}$, " "

$\frac{3}{11/26}$, Tree medium size, upright,
spreading, secondary
branches and twigs tend
to droop, secondary branches
stout but twigs slender;
very few spines.

acc. No. 4373

Blossoming dates.

1924, $\frac{4}{25}$, 40% buds open; $\frac{7}{2}$ full bloom.

1925, $\frac{4}{15}$, full bloom. Two clusters.

$\frac{4}{2/26}$ - small but apparently typical.
Rather low, spreading;
branching normal; twigs
stout; bark light color,
yellowish tinge -
apparently badly girdled by
insects years back.

Painting #16334

Description: 16334 - Probably Peach of
Manitoba but label Irish Peach.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: Ishtar (Ishtar Sweet)

Orchard location: Section E Row 7-8 Tree 4

Arlington Accession No. 4202

Pom. No. 28487

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	8/23	102315	1927 -	9/1	109342
1923 -	9/8	103901	1928 -		
1924 -	9/24	105433	1929 -		
1925 -	9/5	106739	1930		
1926 -	9/17	108316	1931		

Blossom dates: 1924 - 4/28, 20% buds open; 5/1, full bloom
1925 - 4/14, 90% " " ; 4/20, petals mostly off
1926 - 4/30, 90% " "
1927 - 4/12, first bloom.

Remarks: Scans from Kansas Agr. Coll. Manhattan,
Ks. 2/14/03

Characterization: 1926 notes. Good size, well above medium; roundish conic to a little elongated, but mostly roundish; smooth, regular, uniform. Ground color rather pale yellow, pretty well over-spread with a dull red wash with indistinct stripes on better colored forms, quite distinct in case of less well colored specimens. Stems numerous, submerged or very slightly raised, yellowish, not very conspicuous. Calyx deep, fairly broad but acute because of depth; basin medium depth and width, slightly furrowed. Flesh yellowish, fine grain, rather firm, juice a little lacking; sweet rather lacking in richness, a little flat yet fairly pleasant as a sweet apple.

383
Second sheet, Variety

Ishtar

Storage notes: 1926 Crop. Stored $9\frac{1}{2}$; out Jan. 3/27
Held in office refrigerator till Jan. 26/27
specimens badly shriveled. Fairly fine
grain but texture is distinctly spongy.
Juicy, sweet, fairly rich; would be
pretty good if crisp.

1/26/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat ^(somewhat) spreading
Central leader: (Partially retained disappeared)

Branching: Moderately well branched
Main limbs: Very medium (long short; Very medium slender
(stout) Medium straight (crooked)

Secondary limbs: Numerous medium few: Medium slender stout;
(somewhat Drooping) Many small 2d branches are crooked.

Twigs: (Many) medium few: Medium (slender) stout; Long medium
(short); Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium) few; Very medium slender stout;
 $1\frac{1}{2}$ - (1 - 2) - 3 inch; Mostly branched (unbranched);
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Drooping secondary branches and many small
Illustrations: *twigs characterize the tree.*
Tree photographed Neg. No. 47483

Fruit painted #1000138/108316 Fruit modeled
and others

Fruit described *Several*

Disease notes by J. W. Roberts:

1990

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Jackson*

Orchard location: Section *6*

Row *23-24* Tree *5*

Arlington Accession No. *3050*

Pom. No. 24505

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>10/26</i>	<i>102885</i>	1927 -		
1923 -	<i>11/3</i>	<i>104354</i>	1928 -		
1924 -	—	—	1929 -		
1925 -	<i>10/16</i>	<i>107104</i>	1930		
1926 -	—	—	1931		

Blossom dates: 1924 *5/1, 30% buds open; 7/3, full bloom - very light.*
 1925 *4/14, 20% " " ; 7/18 full bloom.*
 1926
 1927

Remarks: *Origin Bucks Co. Pa. Scions from J. H. Derby, Woodside, Del. described by Beach in Apples of N.Y. Difficult to reconcile specimens with Beach's description but may be OK. Equally difficult to reconcile with painting - Pom. (No. 10738).*
 Characterization: *1925 Notes.*

The specimens are small, distinctly oblate. The painting is medium in size, roundish with calyx tube that is cylindrical, extending nearly to the carpels. In specimens calyx tube is short. The coloring also differs, though that of itself might be explained.

These fruits are nearly completely overexposed with bright red and a yellow ground color with indistinct striping and some buttermilk overexposed. Dots yellowish, mostly submerged, a few represented by minute breaks in the skin, these being areole; dots not conspicuous. (over)

Flesh tinged yellow, fine grain, hard,
tough, locks juice, mild subacid, very
immature ($10/23/25$). When fully ripe it
would be nearly sweet (see Busch's
description). Whatever the variety,
it apparently has little merit here,
because of small size and other
indifferent characteristics.

(No 28 sheet)

3/4/26 - a fine large strong tree;
upright spreading.
Leaving, twig and spur
growth normal. Secondary
branches come from well
down to the center of the
tree.

Reg. 44690

Painting: 10738

Descriptions: 2435-6461

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Jackson winter sweet

Orchard location: Section

J

Row *25-26* Tree *4*

Arlington Accession No. *7196*

Pom. No. on card in file

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -			1927 -	<i>9/9</i>	<i>109442</i>
1923 -			1928 -	—	—
1924 -			1929 -	<i>9/9</i>	<i>111142</i>
1925 -			1930 -	—	—
1926 -			1931 -	—	—

Blossom dates: 1924

5/6, 60% buds open

1925

4/20, 20% " "

1926 -

4/30, first bloom

1927 -

5/2 - record not clear - probably past full bloom

1928 -

4/26 - buds just starting (buds started); 5/11, buds show pink.

Remarks:

No acc. record in files. Very little information available. Original records and correspondence at archives should be consulted - if and when interest develops.

Characterization:

1927 notes (Sept. 21). Good size; roundish, or roundish conic; fairly regular, indistinct ribbing. Ground color greenish yellow, probably losing the greenish cast when fully ripe - mostly self-colored. Sometimes a coppery blush; more or less brilliant overspread. Spots numerous, variable, from whitish and submerged to brownish and slightly raised, the latter somewhat irregular but not conspicuous. Cavities - russet; stem about 1" slender; basin medium, sepals long, converging; eye closed. Flesh pale yellowish, fairly fine grain, breaking, fairly juicy, occasionally sweet, rather rich; as a sweet apple (over)

probably good to very good. Flavor is almost a honey-like sweetness. It has a pronounced aroma on being cut. To one fond of a sweet apple it would probably be very appealing.

Only noted in 1928 (Sept. 10). states:
"Fairly well developed. Not as large as sometimes but good size. Very firm and hard at present."

Probably came from Diebroy, Pa. as characterized in the Pom. receipt journal, it is said to keep all winter there.

While most of the specimens on 9/21/27 showed no sign of softening some of them are in fairly good eating condition. Though not very attractive in appearance, it would seem to be very much worthwhile as a sweet apple for home use.

Second sheet, Variety

Jackson winter sweet

Storage notes:

11/6/28

Vigor of Tree: Exceptionally (strong) average weak. Size: Exceptionally (large) average small. (This indication inconsistent with what follows) 50% leaves still on trees
Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very upright (roundish ~~broad flat~~ spreading)
Central leader: Partially retained (disappeared).

Branching:

Main limbs: Very (medium) long short; Very (medium) slender stout; Medium straight crooked.

Secondary limbs: Numerous (medium) few: (Medium) slender stout; Drooping.

Twigs: Many (medium) few: (Medium) slender stout; Long (medium) short; (Straight) branched twiggy; Medium open dense; Willowy.

Spurs: Very many medium (few); Very (medium) slender stout; (1/2 - 1) - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: (Medium) slender open dense stocky
(grower) Top round ~~much broader~~ narrower than tall.
(same) see below.

Illustrations:

Tree photographed

Fruit painted #109442

Fruit modeled

Fruit described None

Disease notes by J. W. Roberts:

Large pieces of old scaly bark on trunk and larger limbs. Many water sprouts on main limbs. Not a very desirable type.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Jacobs Sweet*

Orchard location: Section *A* Row *25* Tree *4*

Arlington Accession No. *1863*

Pom. No. 24281

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/28</i>	<i>102634</i>	1927 -	<i>1/6</i>	<i>109646</i>
1923 -	—	—	1928 -		
1924 -	—	—	1929 -		
1925 -	—	—	1930		
1926 -	<i>9/20</i>	<i>108317</i>	1931		

Blossom dates: 1924- *4/29, 25% buds open; 5/3, full bloom (very light bloom)*
1925- *4/13, 20% " " ; 4/16, little past full.*
1926- *4/28, center buds open.*

1927- *scionous from 11.7.1907 to 1907*
Remarks: *Beach describes variety in 1907 but difficult to make these specimens check with his description, though scionous from which propagated here came from Geneva, according to records. It is assumed that it is correct, however, discrepancies being due to place effect on development, but if so, that effect has been pronounced.*

Characterization: *Notes mostly 1926, supplemented by 1927.*
Size medium to larger, roundish conic to slightly oblate conic; indistinctly ribbed. Ground color yellow - self colored - with a little grayish overcast. Dots numerous, variable; some are minute, submerged almost imperceptible but brownish irregular, conspicuous dots and light leather cracking with generally distributed over surface. Cavity broad and deep, heavily russeted; basin medium in depth and width; sepals long, slender, recurved eye partially open; stem 3/4" to 1" slender; basin is sometimes slightly ribbed. Flesh white suggesting fawn in color, fine grain, rather firm with considerable body; not fully tender, fairly juicy, sweet with probably apparently varying (over)

with natural and other conditions. 10/6/26 it
was given as fairly rich - higher
quality than many sweet apples, particularly
as it is not in any sense flat. Good eating
condition now (10/6/26) though possibly it would
be a little better if held for a short time.
This would seem to be a pretty good sweet
apple so far as quality is concerned but
not very attractive in appearance.

But 10/12/26 it was recorded that: "sweet
but flat with a rather washed out taste.
Not very much flavor. Hardly fair [in quality].
Possibly better when thoroughly ripe."

See storage notes.

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Second sheet, Variety

Jacobs Sweet.

Storage notes:

1926 Crop. Stored 10/9/26. Out and examined 1/31/27. Some specimens have showed perceptibly, others only slightly. Flesh white, fine grain, a little tough; juice normal, quite decidedly sweet, in fact, more pronounced than most sweet apples. Fairly rich - probably would rate fairly high with one fond of sweet apples. 1927 Crop. Out of storage 2/27/28. Examined 4/3/28. One fruit decayed; others in good condition. Texture rather coarse, fairly crisp and breaking. Quite juicy, quite sweet. Apparently has absorbed a "winny" flavor.

Vigor of Tree: Exceptionally strong average weak. Size: Exceptionally large average small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish-broad-flat (spreading). Central leader: Partially retained disappeared.

Branching:

Well branched

Main limbs: Very medium long short; Very (medium slender stout); Medium straight crooked. Smooth

Secondary limbs: Numerous medium few: Medium slender stout; Drooping.

Twigs: Many (medium) few: (Medium slender) stout; Long medium short; Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very many medium (few) Very medium slender stout;

(1/2 - 1 - 2) - 3 inch; Mostly branched (unbranched)

Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

Illustrations:

Trunk smooth - apparently not impressive in one respect or another.

Tree photographed Neg. No. 47892

Fruit painted Several

Fruit modeled

Fruit described Several

Disease notes by J. W. Roberts:

387

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Jaffris

Orchard location: Section

D

Row *9-10*

Tree

5

Arlington Accession No.

3081

(also acc. No. 3047. See below)*

Pom. No. 24517

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>8/1</i>	—	:	1927 -	<i>8/19</i>	<i>109343</i>
1923 -	<i>* 8/23 (see below)</i>		:	1928 -		
1924 -	<i>8/29</i>	<i>105176</i>	:	1929 -		
1925 -	<i>8/8</i>	<i>106541</i>	:	1930		
1926 -	<i>8/9</i>	<i>107864</i>	:	1931		

Blossom dates: 1924 - *5/1, 40% buds open; 5/3, full bloom - light bloom.*
 1925 - *4/14, 90% " "*
 1926 - *4/30, 75% " "*
 1927 -

Remarks: * This is picking record for acc. No. 3047 - also *Jaffris*, this being only fruit-record for this no. on file. The orchard location was C: 23:2. Scions were from J. W. Mooney, Fruitdale, Ohio, renewed Apr. 5, 1902. Pom. No. 24488. Acc. No. 3081 (Pom. No. 24517) - scions renewed Apr. 3, 1902 from Rev. S. M. Erwin, Geneva, Kans.

Characterization:

In 1925 and again in 1926 question as to identity was raised because fruit was so poor in quality and looking in other accepted characteristics of *Jaffris*. In 1927 the string quality was much better than previously - so much so that had it been equally good in other years, question of identity would probably not have been raised.

Characterization:

Medium in size, averaging about $2\frac{1}{2}$ " in diameter; smooth, regular, oblate to oblate conic. Ground color pale yellow in 1927 better colored. Fruits are striped and attractive; in 1925, well washed with red with indistinct stripes (over)

and splashes in better colored fruits. Dots
numerous, greenish on uncolored surface
but whitish and quite conspicuous on
red surface - but quite variable.

Flesh yellowish, fine grain, tender,
juicy, mild subacid (rather sharply
acid until mature); in 1925, an
unpleasant mouthful flavor - possibly
acquired but possibly decidedly lacking;
in 1926, greatly poor, but in 1927
it was somewhat sprightly, fairly
rich, better than good, the flatness
and other lacks in quality of other
years are overcome pretty well
this year (1927).

Second sheet, Variety

Jaffaris (8: 9-10: 5)

390

Storage notes:

410/28

Vigor of Tree: Exceptionally strong ^(below average) weak. Size: Exceptionally large ^(below average) small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat (spreading).
Central leader: ~~Partially retained~~ ^{mostly} disappeared.

Branching: *well branched*
Main limbs: Very medium long short; Very (medium slender) stout; Medium straight crooked. *Smooth*
Secondary limbs: Numerous medium few; Medium (slender) stout; Drooping.

Twigs: (Many) medium few; Medium (slender) stout; Long medium (short) straight branched twiggy; Medium open dense; Willowy.

Spurs: Very many (medium few) Very medium slender stout; (1/2 - 1) - 2 - 3 inch; Mostly branched unbranched; *weak*
Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

See below

Illustrations:

Tree photographed

Neg. No 47964; also C: 23:2 *Jaffaris?*
neg. no. 44686.

Fruit painted *Several*

Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts:

Trunks located on ridge side of roadway between sections D & E. None of the trees along this road on either side has ever done well. May be crown gall on the Jaffaris trees. (roots).

VARIETY APPLE ORCHARD
Arlington Farm

391

Variety:

fruits

Orchard location: Section

J

Row 19-20 Tree 4

Arlington Accession No. 7173

Pom. No. 42461

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	8/3	102225	1927 -	—	—
1923 -	—	—	1928 -	8/10	110259
1924 -	8/22	105125	1929 -	—	—
1925 -	—	—	1930 -	7/30	112267
1926 -	8/14	107865	1931 -	—	—

Blossom dates:

1924, 5/2 full bloom
1925, 4/15, 90% buds open - few clusters only.
1926 - 4/30, full bloom - light bloom - all terminal clusters
1927 - 4/16, 10% buds open - very light bloom
1928 - 4/30, first bloom; 7/26, 35% buds open;
5/1, 90% " " " " " "

Remarks:

Apparently a distinctly alternate bearer.
Scions received 10/5/08 from John. Ramage,
Ashotabula, Ohio.

Characterization:

Size medium or below; mostly smooth, slightly ribbed. Some fruits compressed. Ground color pale yellow, slightly striped with bright red. Bots numerous, submerged and almost imperceptible - a few scattered, brownish. Cavity medium, stem very short, about 1/4". Basin medium; sepals small, calving; eye small. Flesh tinged yellow, fine grain, tender, lacking in juice, mild subacid, rather flat, not much to it - but overripe. Apparently has a short season of desirability unless overripe when picked. Small size, lacking in desirable qualities etc, seems to be without merit.

Second sheet, Variety

franks

392

Storage notes:

11/6/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright roundish) broad flat (spreading)
Central leader: (Partially retained) disappeared.

Branching:

Main limbs: Very medium (long) short; Very (medium) slender
stout; Medium (straight) crooked.

Secondary limbs: Numerous (medium) few; Medium (slender) stout;
Drooping.

Twigs: Many medium (few) Medium (slender) stout; Long (medium)
short; (Straight) branched twiggy; Medium (open)
dense; Willowy.

Spurs: Very many (medium) few; Very (medium) slender stout;
(1/2 - 1) - 2 - 3 inch; Mostly branched (unbranched)
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium (slender open) dense stocky
grower; Top (round) much broader narrower than tall. *see below*

Illustrations:

Tree photographed

Fruit painted *# 36916*

Fruit modeled

Fruit described *# 36916*

Disease notes by J. W. Roberts:

*wide spread - relatively few - main limbs
and no crowding of secondary limbs
and few - slender twigs give an
openness of top that is distinctive;*

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Jersey Sweet*

Orchard location: Section *5* Row *7-8* Tree *3*

Arlington Accession No. *6315*

Pen. No. 40480

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>8/3</i>	<i>102232</i>	1927 -	<i>8/15</i>	<i>109275</i>
1923 -	<i>8/20</i>	<i>103831</i>	1928 -	<i>8/14</i>	<i>110260</i>
1924 -	<i>8/29</i>	<i>105198</i>	1929 -		
1925 -	<i>—</i>	<i>—</i>	1930		
1926 -	<i>8/27</i>	<i>107866</i>	1931		

Blossom dates: 1924 - *5/12*, 90% buds open; *5/16*, little past full.
1925 - *4/15*, full bloom - few clusters only
1926 - *4/30*, 75% buds open.
1927 - *4/25*, first bloom; *5/1*, 90% buds open.

Remarks: *Same discrepancies noted between specimens and Pennington No. 17727 but apparently no serious question as to regarding accuracy of identification. Scions received 3/10/08 from W. H. Irwin from private collection in Lexington.*

Characterization: *Size varies with season, also shape. In 1926, small, oblong cones, mostly, some fruits roundish cones; in 1927 size medium and above; fairly smooth and regular, a little slight ribbing. Ground color yellowish - some specimens with light overtones of dull red and a few stripes; others striped without the wash. Dots scattered, brownish, minute, very inconspicuous. Flesh lightly tinged yellow, rather coarse, fairly juicy, distinctly sweet, fairly rich, pretty good for sweet apples. When a little overripe, dry and mealy with no distinctive flavor other than plain sweet.*

8/7/26 over ripe; 8/17/27 apparently in good maturity.

Second sheet, Variety

Jersey Sweet

394

Storage notes:

9/18/25

Vigor of Tree: Exceptionally strong average weak. Size:
" *good* Exceptionally *(better than)* large average small.

Foliage: Very (abundant) normal scanty. Leaves: Very large
(medium) small; Color: Light dark normal. *Clean*,

Habit of Growth: Very upright (roundish broad flat spreading).
Central leader: Partially retained *(mostly)* disappeared.

Branching: *well branched, branched near ground.*
Main limbs: Very medium long short; Very (medium) slender
stout; Medium straight crooked.

Secondary limbs: (Numerous medium) few: Medium slender stout;
Drooping.

Twigs: (Many) medium few: (Medium) slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium) few; Very medium slender stout;
(1/2 - 1 - 2 - 3 inch) Mostly branched unbranched;
Spur twigs: Few (medium) many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

a rather stout, dense heavy grower.

Illustrations:
Tree photographed *Aug. No. 50724*

Fruit painted *17727+109275* Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts: *Tree Row 8
a good deal of burr knot and not as vigorous
having more than 7, and yet neither apparently seriously
dwarfed as result of burr knot.*

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Jones' Sweet*

Orchard location: Section *G* Row *23-24* Tree *5*

Arlington Accession No. *6361*

Pen. No. 40542

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>8/16</i>	<i>102284</i>	1927 -	—	—
1923 -	<i>8/27</i>	<i>103864</i>	1928 -	<i>8/22</i>	<i>110316</i>
1924 -	—	—	1929 -	—	—
1925 -	<i>8/17</i>	<i>106591</i>	1930	—	—
1926 -	<i>9/1</i>	<i>107867</i>	1931	—	—

Blossom dates: 1924 - *5/2, 50% buds open; 5/6, full bloom - light*
1925 - *4/15, 20% " " 4/20, " "*
1926 - *4/30, 25% buds open.*
1927 - *5/1, 25% " "*

Remarks:

Scion raised 3/13/05 from private collection of W. H. Brown, Lexington

Characterization:

Size - medium, oblate slightly conic, smooth, regular. Ground color greenish yellow, sometimes overspread with light wash of dull red and indistinct stripes, with light bull's-eye overspread; some seasons stripes and speckles are bright red. Buds variable - some minute, whitish, submerged, almost imperceptible; others brownish, irregular spots and small cracks - checks. Cavity variable from narrow to broad, fairly deep, heavily recessed; sepals medium, covering; eye closed. Flesh yellowish, medium fine grain, moderately juicy, sweet, fairly rich when just at right maturity, but soon becomes mealy and flat.

•

... ..

Second sheet, Variety

fernsalem surit

396

Storage notes:

9/26/28

Vigor of Tree: Exceptionally strong average weak. Size:
" *good* Exceptionally ^(better than) large ^{average} small.

Foliage: Very abundant normal scanty. Leaves: Very large
(medium small); Color: Light dark normal. *Conspicuous*
portion fallen.

Habit of Growth: Very (*upright*) roundish broad flat (spreading).
Central leader: Partially (*retained*) disappeared.

Branching:

Main limbs: Very medium long short; Very medium (*slender*)
stout; Medium (*straight*) crooked. - *clean*,
Secondary limbs: Numerous medium few; Medium slender stout;
Drooping.

Twigs: Many (*medium*) few; Medium (*slender*) stout; Long medium
short; Straight branched twiggy; (*Medium open*)
dense; Willowy.

Spurs: Very many (*medium*) few; Very medium slender stout;
(*1/2 - 1*) - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Row 1 m. #23 is poor condition - crown gall? blight? ?
Illustrations: *Notes based on Tm Row 24.*

Tree photographed Neg. No. 50728

Fruit pointed [#]7837 Fruit modeled

Fruit described [#]7837

Disease notes by J. W. Roberts:

*Symmetrical, spreading, slender
limbs make a characteristically variety
type of tree.*

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Jewett Red (Jewett)

Orchard location: Section

D

Row

11-12

Tree

5

Arlington Accession No.

3097

Pom. No. 24555

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	—	—	1927 -	—	—
1923 -	—	—	1928 -	—	—
1924 -	9/24	105431	1929 -	—	—
1925 -	—	—	1930	—	—
1926 -	9/17	108318	1931	—	—

Blossom dates:

1924 - 4/28, first bloom. - Bloom very light.
1925 - 4/14, 25% buds open; 4/18, full bloom.
1926 - 4/30, 75% " "

1927

Remarks:

This variety is designated Jewett in the acc. records. Received from J. S. Barnoch, Arono, Maine. Presumably it was Jewett Red - not Jewett of its origin. Although there were striking discrepancies between specimens from Arlington and the paintings on file and my conception of the variety. However it was assumed that the variety was Jewett Red and the discrepancies

Characterization:

In 1924 it was noted that fruit-checked fairly well with paintings of Jewett Red, including color, dots, texture, core formation, etc. It had an overcast red of gray and was lacking in the characteristic flavor of that variety. Same was true in 1926 but in that year there were discrepancies in the dots. Typically they are minute and inconspicuous. The specimens have brownish dots, mostly areole and large and conspicuous. Flesh yellowish, fairly fine grain, fairly juicy. Very mild almost to the point of being (over)

neutral without much flavor which
is in contrast to the very high
quality of the variety at its best.
Occasionally a fine specimen
possesses a slight suggestion
of the typical flavor.
The carpels are typical of Sweet
Red as are the seeds, of which there
are frequently 3 in the cells.

398
Second sheet, Variety

Swall Red

Storage notes:

110/28 (see below)

Vigor of Tree: Exceptionally strong average weak. Size:
Exceptionally large average small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish broad flat spreading.
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked,

Secondary limbs: Numerous medium few; Medium slender stout;
Drooping.

Twigs: Many medium few; Medium slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many medium few; Very medium slender stout;
1/2 - 1 - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed *Neg. No. 47965*

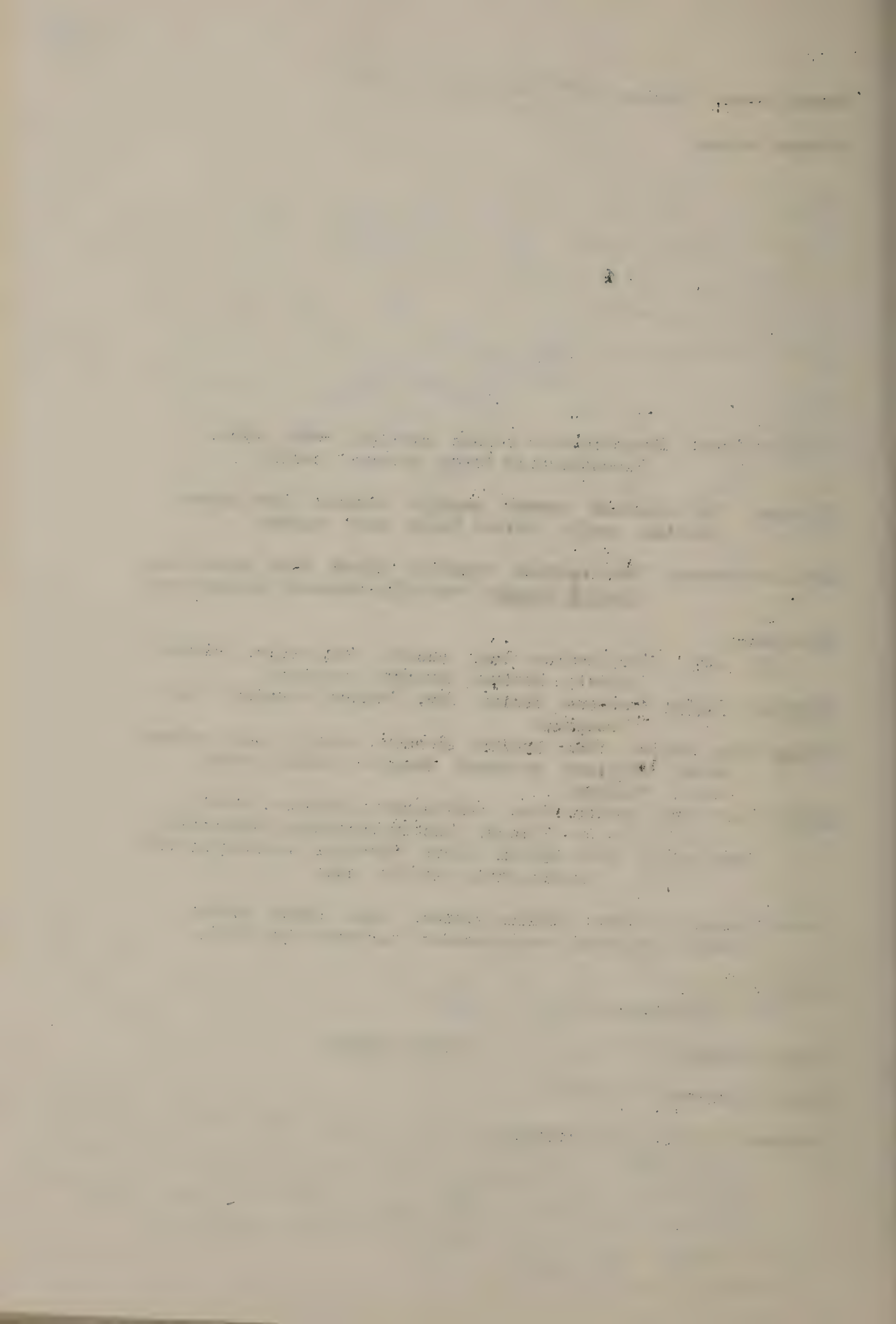
Fruit painted *Several*

Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts:

*Trees too small and poor to note. Each
in apples of N.Y. says it is a poor grower.
These trees apparently not healthy as they
have never grown well, but no special
disease in sight.*



VARIETY APPLE ORCHARD
Arlington Farm

Variety: *John Sharp*

Orchard location: Section *+* Row *13-14* Tree *1*

Arlington Accession No. *4365* *487* *6735*

Pom. No. 28461

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/25</i>	<i>102626</i>	1927 ..		
	<i>9/29</i>	<i>102744</i>			
1923 -	<i>10/4</i>	<i>104168</i>	1928 -		
1924 -	<i>10/4</i>	<i>105999</i>	1929 -		
1925 -	<i>9/25</i>	<i>106959</i>	1930		
1926 -	—	—	1931		

Blossom dates: 1924 *7/1, 20% buds open; 7/6, 40% buds open, very light bloom.*
 1925 *4/14, 25% " " ; 4/20, full bloom.*
 1926
 1927

Remarks: *9/25/22 noted as large - very sour.*
Received from Emerald, Victoria through C. H. No. 114/01. Sevens here used cut from nursery trees on the 7/10. Here recorded as Pom. No. 21722.

Characterization: *Mostly 925 notes. Good size to large, roundish cone with sides unequal. Fairly attractive. Ground color yellow, nearly covered with red and indistinct striping; a heavy overcoat of bluish milk. Buds numerous, small, brownish, raised, some small cracks in skin (Result in 1925 was a rather unattractive apple. Above note of attractiveness in 1924). Heavy muscling about cavity (1925). Flesh yellowish, fairly fine grain, fairly tender, quite juicy, rather sharply acid - too sour for eating, till very ripe - rather rich and good quality - except for high acidity.*
(own) (70 24 sheet)

3/1/26.

a peach tree type:
rather spreading;
Main limbs, secondary
branches and twigs
are slender - some
slender, short spurs.

Paintings: # 101145
105903

Excursion: # 5614

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Jonathan*

Orchard location: Section *A* Row *25* Tree *5*

Arlington Accession No. *1864*
Pom. No. 24282

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>9/28</i>	<i>102635</i>	:	1927 -	<i>9/23</i>	<i>109478</i>
1923 -			:	1928 -		
1924 -			:	1929 -		
1925 -			:	1930		
1926 -			:	1931		

Blossom dates: 1924 - *7/29, 50% buds open*
1925 - *7/14, 25% " " ; 7/16, still buds - petals falling.*
1926 - *7/28, center buds open.*

1927

Remarks: *Picking records fragmentary - No apparent reason for the small number. Scans from N.Y. Sept. 1902*

Characterization: *Sept 26/27 it was noted that the specimens received were probably the best of the variety - thus far from Arlington. Size good - some fruits rather large for the variety, not highly colored - rather dull and some fruits color not fully overspread. Pits rather scattered, very small, yellowish, inconspicuous. Flesh yellowish, breaking juicy, slightly subacid, rich, very good. Not yet quite eating ripe.*

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Second sheet, Variety

Jonathan

Storage notes:

1/6/28

Vigor of Tree: Exceptionally strong average weak. Size:
Exceptionally large average small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat spreading.
Central leader! Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender
(stout); Medium straight crooked. - *Smooth*

Secondary limbs: Numerous medium few; Medium slender stout;
Drooping. *stand out straight*

Twigs: (Many) medium few; Medium (slender) stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very (many) medium few; Very medium (slender) stout;
(1/2 - 1) - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Heg. No. 47891

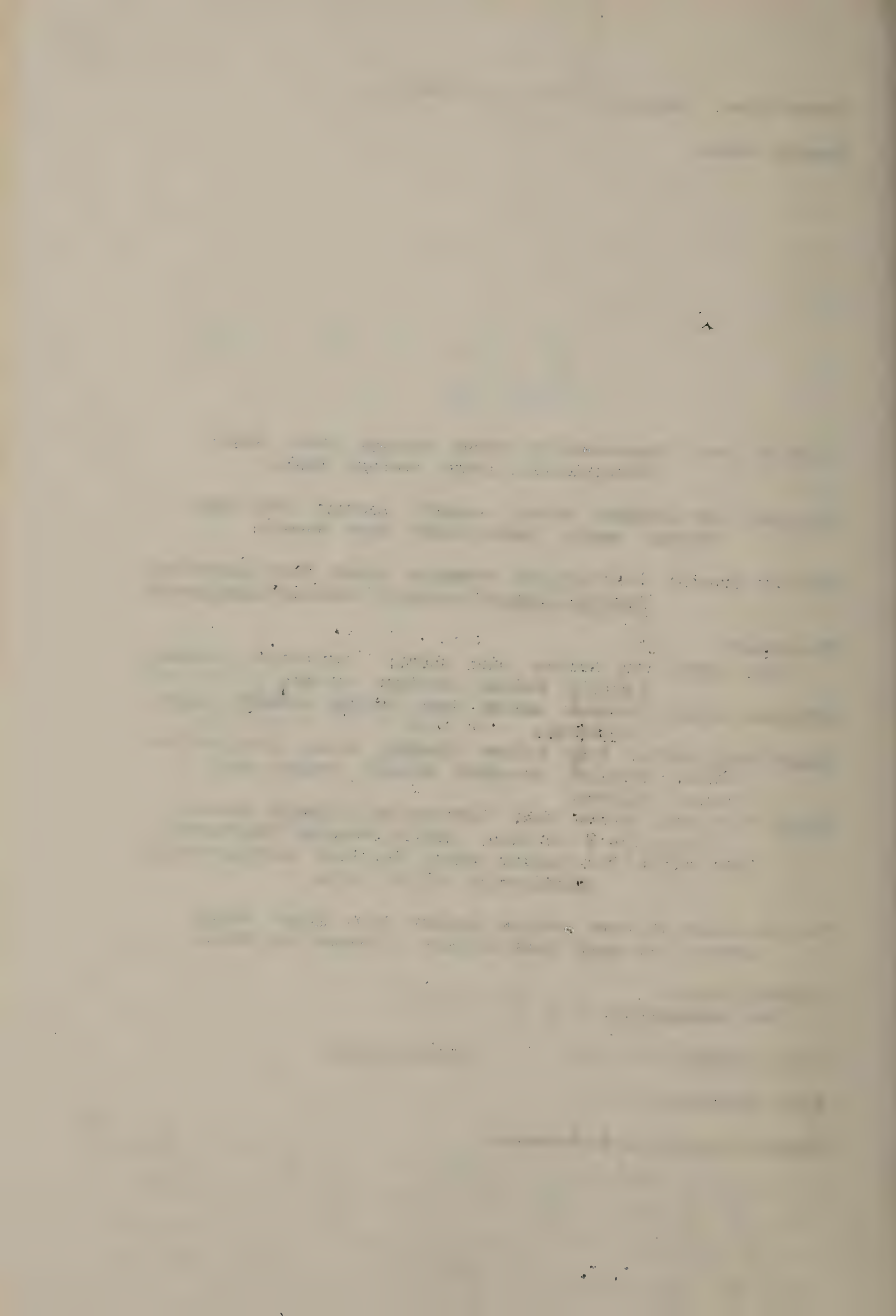
Fruit painted *Several*

Fruit modeled

Fruit described *Many*

Disease notes by J. W. Roberts†

*Terminal growths of 8" to 10" doesn't
look like typical Jonathan tree
but apparently no question raised
as to identity of the fruit in any
season.*



VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Julian de Paulmier* (Branch cider crab)

Orchard location: Section *J* Row *11-12* Tree *4*

Arlington Accession No. *8180* (Pam. No. *46387*)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/6</i>	<i>102512</i>	1927 -	<i>10/4</i>	<i>109591</i>
1923 -	—	—	1928 -	<i>8/22 *</i>	<i>110317</i>
1924 -	<i>9/7</i>	<i>105266</i>	1929 -	<i>9/28 **</i>	<i>110439</i>
1925 -	<i>10/5</i>	<i>106940</i>	1930 -	<i>9/16</i>	<i>111257</i>
1926 -	<i>9/24</i>	<i>108319</i>	1931 -		
	<i>10/1</i>	<i>108320</i>			

Blossom dates: 1924- *5/2*, 75% buds open; *9/6*, petals mostly off - light bloom
scours from
Va. Gft. Sta. 1925- *4/15*, still some buds, petals falling
3/10/10 1926- *5/3*, past full bloom.
1927- *4/12*, 10% buds open
1928- *4/20*, first bloom; *4/26*, 35% buds open; *5/2* past full.

Remarks:

- * Probably picked much too early. That this lot was
** A suggestion on specimen label that this lot was
Reine de Pommes through mistake in giving orchard
location but nothing apparent to confirm this
other than the unusual practice of sending 2 samples
of same thing on 2 different dates. Early picking of first
sample might explain it in this case.

Characterization:

Size variable in different seasons; usually small (apple size standard) but in 1927 averaged *2 1/4"* (in diameter).
Roundish slightly oblate, sometimes slightly conic.
Regular. Ground color yellowish in varying shades;
sometimes slight suggestion of red stripes; sometimes
slight red blush. Light pencils of bull's-eye radiating
from cavity. Same seasons considerable brown
leather cracking. Dots variable, mostly large brown
conspicuous, sometimes russet, raised. Cavity
medium depth, rather narrow - some cases very narrow;
basin wide, medium depth, abrupt. Sepals large,
thick, reflexed; eye medium, partially closed.
2 lobes tinged yellow, fairly fine grain, rather tough.
(over)

rather dry, — locking in juice, very mild
subacid to sweet, sometimes bitter and
astringent. Texture is peculiar in that
while rather tender it is at the same
time somewhat rubbery.

Storage notes:

11/14/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant ~~normal~~ scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright roundish) broad flat spreading.
Central leader: (Partially retained) disappeared.

Branching:

Main limbs: Very medium (long) short; Very (medium slender
stout); Medium (straight) crooked.

Secondary limbs: Numerous (medium) few; (Medium) slender stout;
Drooping.

Twigs: Many (medium) few; (Medium) slender stout; Long (medium)
short; (Straight) branched twiggy; Medium (open)
dense; Willowy.

Spurs: Very (many) medium few; Very (medium) slender stout;
(1/2 - 1 - 2) - 3 inch; Mostly branched (unbranched);

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium (slender open) dense stocky
grower; Top (round) much broader narrower than tall.

*Good type, large, symmetrical bearing surface
will distributed throughout top.*

Illustrations:

Tree photographed

Neg. nos. 39616 + 49027

Fruit painted *None*

Fruit modeled

Fruit described *None*

Disease notes by J. W. Roberts:

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VARIETY APPLE ORCHARD
Arlington Farm

Variety: *July*

Orchard location: Section *A* Row *17-18* Tree *3*

Arlington Accession No. *1841*

Pom. No. 24259

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>7/10</i>	<i>101546</i>	:	1927 -		
1923 -	<i>7/20</i>	<i>103354</i>	:	1928 -		
1924 -	<i>7/28</i>	<i>105049</i>	:	1929 -		
1925 -	<i>7/26</i>	<i>106483</i>	:	1930		
1926 -	—	—	:	1931		

Blossom dates: 1924
1925
1926
1927

4/13, 2.5% buds open; 7/16, fruit full.

Remarks: *Scions from N.Y. Expt. Sta 1902*

Characterization: *Only notes were made in 1925-*

"Characteristic except undersized. They run small this year with but very little color. Roundish conic; ground color yellowish with very light striping, rather heavy bloom, tender, juicy, mild subacid, flat, poor quality."
3/4/26, Tree below medium, distinctly upright, but little spreading, branches and twigs (no 2d sheet) normal; few spurs. Paintings, several Neg. No. 44, 7/19 Description: 6779

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Jumbo (Crab)*

Orchard location: Section *F* Row *3-4* Tree *3*

Arlington Accession No. *4342* (See reverse side for
Pom. No. 28498 (Acc. No. 3376 - also *Jumbo*
Crab)

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>7/20</i>	<i>101610</i>	:	1927 -	<i>8/4</i>	<i>109235</i>
1923 -	<i>7/31</i>	<i>103377</i>	:	1928 -		
1924 -	—	—	:	1929 -		
1925 -	<i>7/28</i>	<i>106517</i>	:	1930		
1926 -	<i>8/12</i>	<i>107868</i>	:	1931		

Blossom dates: 1924 - *5/1*, 50% buds open; *5/6*, past full - very light bloom.
1925 - *4/15*, 25% " " ; *4/20* " "
1926 - *4/30*, full bloom

1927 - Scions from D.C. Hicks, North Clarendon, Vt. *4/20*

Remarks: In 1925 it was noted that the blossoms were a dirty white in color, and petals somewhat lobed. In 1925 Mr. Brunk called attention to the fact that fruit from B:6:1, supposedly acc. No. 1876, Magog, appeared to be identical with this *Jumbo Crab*. I confirmed this observation. Apparently this tree (B:6:1) is a misplant characterization: B:5:1 differs from it and supposedly is Magog

Some doubt was expressed in each of several seasons as to this variety (*Jumbo*) being correctly identified. It was received March 20, 1903 from D.C. Hicks, North Clarendon, Vt. Little information is available as to what *Jumbo Crab* is like. The fruits possess but very little suggestion of being crabs. As characterized in 1925 and 1927, the main features are as follows: (over)

Size below medium; roundish varying from slightly oblate to slightly elongated; indistinctly ribbed. Ground color whitish when fully ripe, somewhat suggesting Parry white though clearly not that variety. Some specimens develop a slight overspread, especially about base of mottled pinkish red. Under some conditions it is likely considerable red overspread would develop. Dots numerous, whitish, submerged, mostly inconspicuous. Flesh tinged yellow, tender, fine grain, fairly juicy, rather sharply acid, at least till very fully ripe, and suggestion of tannin. Not much suggestion of crab other than the slight tannin content. Value as a crab is uncertain; as an apple, of no account.

Acc. No. 3376. Pom. No. 24603. D: 25:1
Scions from C. D. Hicks, North Clarendon, Vt.
Bloom: 4/14/25 20% buds open; 4/18 full bloom.
Apparently no fruit samples from this tree at
present. 3/4/26 - T.M. note - sturdy, upright tree
rather small, slender main branches, sec-
ondary branches long, slender, not a great deal of
growth; bark smooth, rather light green.

Second sheet, Variety

Jumbo (Crab)

Storage notes:

acc. Sw. 4342 (7: 3-4: 3)

126/28

Vigor of Tree: Exceptionally strong average weak. Size:

" *very poor* Exceptionally large average (small).

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat (spreading).
Scraggly Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout;
Drooping.

Twigs: Many medium few; Medium slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many medium few; Very medium slender stout;
1/2 - 1 - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Too poor and scraggy to be worth noting.

Illustrations:

Tree photographed

Fruit painted *None*

Fruit modeled

Fruit described *None*

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

407

Variety: *Kandil Linap* (det. *Linap*)

Orchard location: Section *F* Row *19-(20³)* Tree *4*

Arlington Accession No. *4447 (SPJ. 10346)* Pom. No. *109401*
From Turkistan (E. A. Bessey)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -			1927 -	<i>9/13</i>	<i>109401</i>
1923 -			1928 -		
1924 -			1929 -		
1925 -	<i>9/5</i>	<i>106754</i>	1930		
1926 -			1931		

Blossom dates: 1924 - *5/2*, full bloom - very light bloom.
1925 - *4/15*, past " "
1926 - *4/29*, no bloom
1927 - *4/12*, 5% buds open.

Remarks: * *Trees are different. Assumed that Row 19 is correct. Fruit from Row 20 is a small yellow tough fleshed nondescript thing. Nearly sweet but about as flavorless as an apple can be - worthless. Following fruit notes relate to Row 19. (all notes on this tree. Row 20 disregarded)*

Characterization: *May be sprout from stock. From E. A. Bessey, Turkistan, Feb. 1904.*

Good size; slightly conic, very distinctly angulated, smooth, regular. Ground color greenish yellow, with light red blush on exposed side; also covered with bloom dots numerous, small, whitish, inconspicuous on most specimens. Flesh whitish, fairly fine grain, rather tough, firm, lacking in juice, mild subacid, rather flat - no distinctive flavor. Hardly fair in quality. Very upright habit of tree and much elongated fruit are striking characteristics.

Second sheet, Variety *Kandis Sinsap* (7:19:4)

Storage notes:

1/27/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: (Very upright) roundish broad flat spreading.
Central leader: Partially (retained) disappeared.
A "central axis" tree.

Branching: *Smooth*

Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked.

Secondary limbs: (Numerous) medium few; Medium slender stout;
Drooping.

Twigs: Many medium few; Medium slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very (many) medium few; Very medium slender stout;
1/2 - (1 - 2 - 3 inch); Mostly branched unbranched;

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

Mostly short and unbranched lining all twigs and
General aspect of tree: Medium slender open dense stocky *small branches*
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed Neg. No. 49010

Fruit painted [#] 9539 & 43165 - Fruit modeled
none other dated

Fruit described *9-5-25 not numbered*
None

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Kay

Orchard location: Section *C* Row *23-24* Tree *4*

Arlington Accession No. *3049* & *4387* (7:14-20:1) *neg. nos*

Pom. No. 24501(3049); Pom. No. 28576(4387) *4900* *49014*

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>8/23*</i>	<i>102312</i>	1927 -	<i>8/19</i>	<i>109344</i>
1923 -	<i>9/5*</i>	<i>103896</i>	1928 -		
1924 -	<i>9/15</i>	<i>105389</i>	1929 -		
1925 -	<i>9/10*</i>	<i>106740</i>	1930		
1926 -	<i>8/27</i>	<i>107869</i>	1931		

Blossom dates: 1924 - *4/28, first bloom; 5/6, much past full*
 1925 - *4/14; 40% buds open; 4/20 past full*
 1926 - *4/30, 75% " "*
 1927 -

Remarks: Both numbers were received from H.C. Cook, White Salmon, Wash. No. 3049 as scions, Apr. 5, 1902 and No. 4387 in Apr. 3, 1903. The picking records above marked thus (*) are from No. 3049; the others from No. 4387. The characterization combines both.

Characterization: Good size, roundish cone, regular, smooth except for slight ribbing. Ground color yellow covered with deep red and distinct stripes of darker red; a heavy bluish bloom, and pencilings of buttermilk. Dots scattered, white or yellowish, small, inconspicuous. Flesh yellowish, moderately fine grain, moderately tender, fairly juicy, mild subacid, flat, only fair in quality. Sept. 2, 1927. Now very firm and hard; flesh tough with immature taste. Probably picking should have been delayed. Striking in appearance; quality poor.

Second sheet, Variety

Kay

410

Storage notes: No. 3049, Picked 9/10/25. Exam 10/22/25 -
Specimens held in office refrigerator. Fair condition
except a little shriveling. Good eating condition. Fairly
fine grain, fairly tender, juicy. Flavor somewhat
suggestive of Blue Pearmain. Same color markings
also resemble that variety slightly, including heavy bloom.
No. 4387, Picked Aug 27, 1926. Exam 1/4/26. Ground
color golden yellow, surface very smooth,
flush tinged yellow, fine grain, breaking fairly
juicy, mild subacid, flavor just a little like Blue
Pearmain though less agreeable than that variety. Quality only
fair.

Vigor of Tree: Exceptionally strong average weak. Size:
" Good Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish (broad flat spreading).
Central leader: Partially retained (disappeared).

Branching: well branched

Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout;
Drooping. Small secondary branches

Twigs: (Many) medium few; Medium slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very (many) medium few; Very (medium slender stout)
1/2 - (1 - 2) - 3 inch; Mostly branched unbranched;

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations: A good stocky tree.

Tree photographed

7:19:1 Neg. No. 4900
C: 24:4 " " 44703

Fruit painted several

Fruit modeled

Fruit described #8436 - 43030

Disease notes by J. W. Roberts:

Variety Apple Orchard
Wilmington Farm.

411

Variety: Keeper (Cullens Keeper)

E: 7-8: 2

acc. No. 4200

Keeper

J: 11-12: 1

acc. No. 4986

Keeper

G: 25-26: 1

acc. No. 6362

No. 4200: received as scions 3/14/03 from
the Kansas State College under
the name Cullens Keeper

No. 4986: received as 1-year grafts 4/10/05
from U. T. Rorer, Cullum, Kansas

No. 6362: received as Keeper (restricted)
scions to Cal. Brackett 3/3/08.
Pam. No. 40543. Probably reference
to this Pam. No. would give original
source of the scions. Scions from
private collection of W. H. Drinn. ^{Edmonton}

The 3 lots are of the same general type
with a strong presumption that they
are identical. The records of each
lot, compiled separately, are attached.
Only 2 picking records of No. 4200 are
and file. (over)

In 1925 it was decided that No. 4986
was identical with Acc. No. 4200 (E: 7-8: 2)
though the fruits were not as well
developed as those of No. 4200.

Oct. 12, 1927 it was noted: Undoubtedly
No. 4986 is identical with Acc. No.
6362 (S: 25-26: 1). Main features
are the same but fruits of No.
4986 are much better finished
than No. 6362 and average
larger.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Keeper (Cullin's Keeper)*

Orchard location: Section *E* Row *7-8* Tree *2*

Arlington Accession No. *4200*

Run No. _____					
Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>10/26</i>	<i>102874</i>	1927 ..		
1923 -	<i>—</i>	<i>—</i>	1928 -		
1924 -	<i>—</i>	<i>—</i>	1929 -		
1925 -	<i>10/16</i>	<i>107106</i>	1930		
1926 -	<i>—</i>	<i>—</i>	1931		

Blossom dates: 1924 *4/28, first bloom; 5/6, past full.*
1925 *4/14, 50% buds open; 4/18, little " "*
1926
1927

Remarks: *Scions from Kans Agr. Coll. Manhattan, Ks.*
2/14/03

Characterization: *1925 Notes.*

Good size, roundish, slightly conic.
Ground color green, partially overspread
with pinkish red, and a buttermilk overcoat.
The general effect is a sort of bronzed reddish
surface. Bots numerous, minute, whitish,
mostly submerged. Flesh yellow, fine grain,
firm now (Oct. 24/25), very immature, subacid.
Seems fairly rich but too immature for
quality trading.
(over) *(No 28 sheet)*

3/1/26.

Good healthy upright
spreading tree; bark
smooth; branching
normal; wings rather stout.

Paintings: several

VARIETY APPLE ORCHARD
Arlington Farm

413

Variety: *Keeper*

Orchard location: Section *G* Row *25-26* Tree *1*

Arlington Accession No. *6362*

Gen. No. 40543

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	—	—	1927 -	<i>10/6</i>	<i>109648</i>
1923 -	<i>11/1</i>	<i>104355</i>	1928 -	<i>10/23</i>	<i>110514</i>
1924 -	<i>11/4</i>	<i>106013</i>	1929 -	—	—
1925 -	—	—	1930	—	—
1926 -	<i>11/1</i>	<i>108683</i>	1931	—	—

Blossom dates: 1924 — *2, 75% buds open; 5/6, past full*
 1925 — *4/5, 75% " ; 4/20, well past full*
 1926 — *4/30, center buds open*
 1927 — *4/20, first bloom; 4/25, 25% buds open; 5/1, 90% " "*

Remarks: *Scions received 3/13/05 from private collection of W. H. Irvine, Echington, Tenn. City followed by word - "Refracted"*

Characterization: *Size medium (2 1/2" - 2 5/8") to good size; roundish, roundish conic, or in some seasons slightly elongated, smooth, regular. Ground color greenish yellow, usually a little coppery bluish with more or less buttermilk overspread. In 1924, nearly covered with red and indistinct striping. But this is unusual and raises a question as to correctness of identification. Dots variable - sometimes comparatively few and conspicuous, some whitish submerged, others brownish, raised slightly - latter over clear under-color conspicuous. Core - medium depth, sometimes saucer shape like Rome Beauty, stem 1 1/2" slender, medium depth. Flesh whitish or greenish yellow, probably depending on maturity, moderately fine grain (over)*

fairly tender, moderately juicy, firm, mild
to slightly subacid - probably influenced by
maturity; if over mature or grown under
unfavorable seasonal conditions, it lacks
richness and is rather poor in quality.
In 1927 it was slightly subacid, though
too immature when examined
Nov. 15, 1926 for quality readings. -
Carpels large: core formation open.

In 1924 it was noted that the specimens
showed a little variation from acc. No.
4986 (B: 11:1), these specimens (acc. No. 6362) being
somewhat more elongated than No. 4986
but in external markings other than form and
in flesh characteristics there is no appreciable
difference.

Storage notes: 1926 fruit.

9:25-26:1

out of storage Apr. 11/27. Exam. Apr. 16, 1927

Not different in any essential feature from
acc. No 4986 examined April 7, 1927 (which see)
Only appreciable difference is in size of fruit,
specimens of 6362 being much smaller than
those of 4986.

1927 crop. stored Oct. 11; out Feb. 8/28. Exam. 2/13/28

In excellent physical condition. No scale;
still very hard; green in color and unattractive;
fairly fine texture, good body, better eating condition

Vigor of Tree: Exceptionally strong average (weak) Size:

(over)

Exceptionally large average (small).

Foliage: Very (abundant) normal scanty. Leaves: Very large
(good size) medium small; Color: Light dark normal (Clean)

Habit of Growth: Very (upright) roundish broad flat (spreading)
Central leader: (Partially retained) disappeared.

Branching:

fairly well branched

Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping.

Twigs: (Many) medium few; (Medium slender stout); Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very (many) medium few; Very medium slender stout;

1/2 - (1 - 2) - 3 inch; Mostly branched unbranched;

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Trunk small and weak in general appearance but good
Illustrations: (see below)

Tree photographed

Fruit painted

Several

Fruit modeled

Fruit described

Several

Disease notes by J. W. Roberts:

Foliage and excessive crop. Fruit small
but since it is a very late variety it still
has considerable time to grow.

than its firmness would suggest, quite
juicy, very mild subacid, the acidity
seemingly pretty well masked by the high
sugar content, judging from flavor.
Fairly rich, rating probably good to
very good in spite of its unattractive
color.

This is a suggestion that this variety
reaches a good edible stage of maturity
only late in the season - a long
keeping apple.

VARIETY APPLE ORCHARD
Arlington Farm

415

Variety: *Keeper*

Orchard location: Section *J* Row *11-12* Tree *1*

Arlington Accession No. *4986*
Rem. No. 11/10/05 Acc card.

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	—	—	1927 -	<i>10/10</i>	<i>109647</i>
1923 -	<i>11/8</i>	<i>104361</i>	1928 -	<i>10/23</i>	<i>110719</i>
1924 -	<i>11/4</i>	<i>106003</i>	1929 -	<i>10/10</i>	—
1925 -	<i>10/10</i>	<i>107107</i>	1930 -	<i>10/18</i>	—
1926 -	<i>11/1</i>	<i>108682</i>	1931 -	<i>10/6</i>	<i>112335</i>

Blossom dates: 1924- *5/2*, 25% buds open; *5/6*, little past full
2-1 yr grafts
received 11/10/05 from A.T. Remer, Auline, Mo.
1925- *4/15*, 40% " " *4/20*, " " " but
1926- *4/30*, center buds open.
1927- *4/20*, first bloom; *4/26*, 10% buds open; *5/1*, 60% buds open

Remarks: 2 grafts received *11/10/05* from A.T. Remer, Auline, Mo.

Characterization: Size fairly good under favorable crop conditions. Some seasons crop very heavy and fruit not above medium; roundish conic to slightly elongated conic. Some fruits indistinctly ribbed. Ground color greenish to yellowish green depending on maturity; frequently coppery blush on upland side; considerable buttermilk overspread especially on smaller fruits. Rather unattractive in appearance. Dots numerous, variable; commonly very numerous about apex, very minute, inconspicuous, submerged; smaller dots sometimes on cheek but most of dots there are brownish, raised. Cavity rather deep, medium width, rather abrupt; stem 1", slender; basin medium depth, rather narrow; sepals rather short, covering; eye small, closed. Flesh yellowish tinged green, firm, fine grain, (over)

considerable body, quite juicy, mild subacid
subacid but 11/15/26 too immature for
quality test. Pretty good when mature.

Apr. 5, 1929 (1928 crop) muchly subacid but
prominence enough so not flat; more
juice and more flavor than most
appears at this date. Not rich but pleasant
good in quality.

In 1925 it was decided that this
variety (4986) was identical with
Acc. No. 4200 (8:7-8:2) though the
fruits were not as well developed
as those of 4200.

Oct. 12, 1927 it was noted: Undoubtedly
identical with Acc. No. 6362 (9:25-26:1).
Main features are the same but these
fruits are much better finished than
No 6362 and average larger.

Second sheet, Variety *Keeper* (see No. 4886) (J:11-12:1)

Storage notes: 1926 crop.

out of storage Apr. 2, 1927

Exam. Apr. 7/27. Have kept well; firm and solid; no shriveling; look as if they would keep some months yet. Though the fruits seem very firm they are in good eating condition. Flesh is breaking quite juicy, mild subacid, but there is a springiness to it which with its firmness makes it a pleasant apple to eat about "good" in quality rating. (over)

Vigor of Tree: Exceptionally (strong) average weak. Size: Exceptionally (large) average small.

Foliage: Very (abundant) normal scanty. Leaves: Very (large) medium small; Color: Light dark normal.

Still mostly retained.

Habit of Growth: Very upright (roundish broad flat spreading). Central leader: Partially retained (disappeared).

19/31/28

Branching:

Main limbs: Very (medium) long short; Very (medium) slender stout; Medium (straight) crooked.

Secondary limbs: (Numerous) medium few: (medium) slender stout; Drooping.

Twigs: (Many) medium few; (Medium slender stout); Long (medium) short; (Straight) branched twiggy; Medium open (dense) Willowy.

Spurs: Very (many) (medium) few; Very medium slender (stout) (1/2 - 1 - 2) - 3 inch; Mostly branched (unbranched);

Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open (dense stocky grower); Top round (slightly) broader narrower than tall.

A sturdy tree with secondary branches unusually well covered with twigs.

Illustrations:

Tree photographed

Fruit painted *Several*

Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts:

1927 crop. out of storage 2/27/28. Exam 3/9/28
In office refrigerator meanwhile.
Kept in excellent condition; firm; no
shriveling; no scald. Flesh tender,
juicy, mild subacid, fairly good
body, pleasant, good in general,
though not as high quality as
some other lots. Possibly an
absorbed flavor.

1928 Crop. stored Oct. 27/28. Out March 19,
1929. Held at room temp. several days,
then in office refrigerator until
Apr. 5/29. Excellent physical
condition, firm, hard, no scald.
It is more juicy and has more
flavor than most apples at this date.

June 4, 1929. Fruit probably 7 next
above lot, presumably held in office
refrigerator since Apr. 5. No apparent
decay and some fruits show only
slight shriveling, but a little
pressure crushes the flesh even
though the skin remains intact.
Flesh has become mealy and has
but little flavor. Had this fruit
been held in cold storage till
this date (June 4) it would probably be
in pretty good condition.

1931 crop. In office refrigerator till
Jan. 27/32. Slightly wilted, yellowish
cast with gray overspread. Fruit
has better finish and is more attractive
in appearance than usual.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Kentucky Rang Steen*

Orchard location: Section *E* Row *15-16* Tree *1*

Arlington Accession No. *4294* (Pom. No. *28336*)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	—	—	1927 -	<i>9/28</i>	<i>109592</i>
1923 -	<i>10/20</i>	<i>104292</i>	1928 -	—	—
1924 -	<i>10/18</i>	<i>105980</i>	1929 -	—	—
1925 -	—	—	1930	—	—
1926 -	<i>10/20</i>	<i>108684</i>	1931	—	—

Blossom dates: 1924 - *4/28*, first bloom; *5/1*, 75% buds open; *5/6*, petals dropping, slight buds, light bloom
1925 - *4/14*, 25% buds open; *4/18*, 90% buds open
1926 - *4/30*, 50% " " "

1927 -

Remarks: *Scions from J. W. Kerr, Dutton Md., March 9, 1903.*

Characterization: Good size, oblate to oblate conic, smooth except ribbing, sometimes compressed. Ground color yellow. In light colored fruits bracts well covered with wash of dark red and darker stripes and splashes, but sometimes wash is thin red with peculiar mottled effect with stripes and splashes of more pronounced red. Pels numerous, small, some yellowish and submerged, some brownish, slightly raised; buttermilk over-spread intermingled somewhat with red stripes. Core fairly deep, rather broad; stem 1 to 1 1/2", slender; basin medium depth, broad, abrupt, sepals rather long, recurved; eye fairly large, mostly closed (which does not seem constant with recurved sepals, but so stated in at least 2 different years). Flesh yellow, fair, fine grain, firm, somewhat lacking (over)

in juice, more or less salty, mild
subacid. too immature $10/30/24$ for quality
record; though firm and breaking,
tends to be mealy. $11/13/26$ noted as
approaching neutral, not much flavor,
poor quality.

Second sheet, Variety

Kentucky Long Stem

418

Storage notes: 1926 crop. Out of storage 3/15/27. Exam 4/24/27.

In office refrigerator meanwhile. Kept in 1/27.
good condition; firm, no shriveling, no scale.
Texture a little coarse, tendency to mealiness,
locks fine, flat, not much to it. Though
still quite firm, evidently in rising ripe
maturity.

widely different specimens 1926 crop in storage
till March 25/27 Exam. 4/1/27. Kept well so far
as physical condition indicates. Fine grain,
tender, mealy, dry, very mild subacid, (over)

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish broad flat spreading.
Central leader: Partially retained disappeared.

6/28

Branching: (see photo) well branched.

Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked. Smooth bark

Secondary limbs: Numerous medium few; Medium slender stout;
Drooping.

Twigs: Many (medium) few; (Medium slender stout) Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many medium (few) Very (medium slender stout);
1/2 - 1 - 2 - 3 inch; Mostly branched unbranched;

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations;

Tree photographed Neg. No. 47992

Fruit painted #268048/105980 Fruit modeled

Fruit described #10206-26804

Disease notes by J. W. Roberts:

Flat, not much flavor. Either lost flavor beyond what its physical condition would suggest - or else inherently poor in dessert quality (the latter being apparently true).

1927 crop. Stored 10/27; sent 1/4/28
exam 2/8/28. Good condition - still
rather hard. Fine grain, firm,
fairly juicy; fairly sprightly, mild
subacid with peculiar but not
unpleasant flavor. Perhaps
it would be described as a
crab-like flavor. This report
is in strong contrast to any
that precedes it. Others referred
to lack of juice, mildness of
acidity - flat etc.

Possibly the long slender
stem may indicate crab
percentage in ancestry.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: Kentucky Red (~~Crab~~)

Orchard location: Section K Row 21-22 Tree 5

Arlington Accession No. 10860 (Pom. No. 50460)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -			1927 -	10/10	109649
1923 -			1928 -	—	—
1924 -			1929 -	—	—
1925 -	10/15	107108	1930 -	10/18	—
1926 -	11/1	108685	1931 -	10/6	112336

Blossom dates: 1924

1925

1926

1927

Remarks: Scions received 3/27/1911. - probably from J. A. Burton.

Acc. card gives merely Kentucky Red but fruit labels consistently added "Crab." The ascribing referred to several times in notes may be sufficient evidence of crab characteristics. Description submitted by Mr. Burton is of an apple

Characterization:

Size small
- Comparable to well grown Milam apple, 1927 about 2 1/4" in diameter.

very like Winesap in appearance.

It seems very definitely a question as to whether this is the apple Mr. Burton described - May be a sprout from stock developed after budded or grafted top failed to grow.

Roundish canic, sometimes oblate canic. Ground color yellow, partly well covered with solid bright but dark red wash, a little buttermilk on some fruits. Spots variable - fairly numerous, some small, yellowish, submerged about apex, some indented; fairly large, conspicuous on sides. Core medium; stem 1/8" slender; basin small; sepals converging; eye small, closed; (over)

Flesh lightly tinged yellow, fairly fine grain, firm, juicy, mildly subacid to highly acid depending on condition, very astringent.

If the apple Mr. Burton referred to ~~did~~ resemble Winesap, the fruit now in question must obviously be something else - as suggested perhaps produced by a sprout from a crab stock. Quite attractive in appearance. Whatever the variety.

Pam. No. 50460. Scions of Kentucky
Red apple received 3/25/11 from
J. A. Burton, Mitchell, Ind.

Second sheet, Variety

Kentucky Red ? (Cob ?) 420

Storage notes: 1926 Crop. Out of storage 4/2/27.

Exam. 4/7/27. Kept well; firm.
Flesh in general yellowish but stained
red, some fruits staining green
pronounced. Braking, juice
slightly subacid. Pronounced astringency.

1927 crop. Out of storage Feb 27, 1928 Exam 3/3/28
Firm, in excellent condition. Grain rather
coarse, a little tough, juicy, slightly
subacid, partly astringent.

Vigor of Tree: Exceptionally strong average weak. Size:
Exceptionally large average small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish broad flat spreading.
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout;
Drooping.

Twigs: Many medium few; Medium slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many medium few; Very medium slender stout;
1/2 - 1 - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted *Several*

Fruit modeled

Fruit described #12938-37274 1/2 (These nos. are not Cobs -
doubtful if same as apple
from Arlington)

Disease notes by J. W. Roberts:

421

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Kentucky Sweet*

Orchard location: Section *G* Row *25-26* Tree *2*

Arlington Accession No. *6363* (Pom. No. *40544*)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>8/23</i>	<i>102313</i>	1927 -	<i>9/6</i>	<i>109345</i>
1923 -	<i>8/27</i>	<i>103865</i>	1928 -	<i>9/27</i>	<i>110537</i>
1924 -	<i>9/13</i>	<i>105396</i>	1929 -		
1925 -	<i>9/1</i>	<i>106688</i>	1930		
1926 -	<i>11/1</i>	<i>108686</i>	1931		

Blossom dates: 1924 - *5/2*, 20% buds open; *5/6*, full bloom - very light.
1925 - *4/15*, first bloom; *4/20*, past full.
1926 - *7/30*, 40% buds open.
1927 - *7/25*, first bloom; *7/1*, 40% buds open.

Remarks: *Apparently most of above lots were picked too early. In each case where picked rather than lost of Sept. it was noted that fruit was too immature for quality grading.*

Scions received 11/3/08 from private collection of W. H. Irwin, Lexington

Characterization: *Above medium to good size, slightly oblate, indistinctly ribbed, fairly regular except that halves are sometimes unequal. Ground color yellow, nearly covered with bright red, indistinct stripes. Sides more or less russet, raised, produce a coarse finish. Cavities fairly deep, rather narrow, russeted; stem 1/2", slender; basin medium; eye medium, mostly closed. Flesh lightly tinged yellow, fine grain, firm, tough, moderately juicy tending to dryness, sweet but not pleasing, however too immature 9/5/25 for full flavor. 11/2/26 - sweet but lacking in richness - not high quality. (over)*

When well finished is rather attractive
in appearance.

11/22/28 from storage - very mildly
sweet but lacks flavor and
richness. No objectionable flavor,
but lack of flavor makes for
low quality.

See storage notes for other
items re quality.

Second sheet, Variety *Kentucky Sweet*.

Storage notes: 1925 Crop. Held in office refrigerator until 1/27/25. Only good physical condition except a little shriveling. Texture is fine grain, slightly tough, rather dry, distinctly sweet, fairly rich (in contrast to other apples), probably a little past prime. 1926 Crop. Out of storage 7/11/27 Exam 7/16/27. 2 out of 6 fruits decayed. Others have kept well so far as external conditions indicate. (over)

Vigor of Tree: Exceptionally strong (average weak). Size: Exceptionally large (average) small.

Foliage: (Very abundant) normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat (spreading) Central leader: Partially retained (disappeared).

Branching: well branched

Main limbs: Very medium long short; Very (medium slender stout); Medium straight crooked. (Bark)

Secondary limbs: Numerous medium few; Medium slender stout; Drooping. rough and many water sprouts.

Twigs: (Many) medium few; (Medium slender) stout; Long medium short; Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very (many) medium few; Very medium slender (mostly) stout; 1/2 - (1 - 2 - 3 inch) Mostly branched unbranched;

Spur twigs: Few (medium many) Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

Internodes are short which with a whorl of leaves on each of the many spurs gives a very leafy appearance.

Illustrations: Tree photographed

Fruit painted None

Fruit modeled

Fruit described None

Disease notes by J. W. Roberts:

Some leaf spot. A good deal of burr knot on limbs. The many water sprouts can hardly be due to any excessive pruning or to any other apparent weakness of tree.

2. Ash tinged yellow, fairly fine grain
tender, lacking in juice, distinctly
sweet, a little lacking in richness
but now past prime condition,
apparently when held under favorable
conditions for a due length
of time it is much better in
quality than when picked
early. Probably early picking
made for an unfair appraisal
of the quality of this apple.

1928 crop, stored $\frac{10}{2}$ 28 out $\frac{11}{15}$,

Eyon $\frac{11}{23/28}$. Flesh very fine
grain, rather firm, moderately
juicy, very mildly sweet, but
rather lacking in flavor
and richness.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *King David*

Orchard location: Section *I* Row *5-6* Tree *5*

Arlington Accession No. *6654*
Pom. No. 40789

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/23</i>	<i>102555</i>	1927 -	<i>9/28</i>	<i>109593</i>
1923 -	<i>9/19</i>	<i>104094</i>	1928 -	<i>9/28</i>	<i>110590</i>
1924 -	—	—	1929 -	<i>9/5</i>	<i>111143</i>
1925 -	—	—	1930 -	<i>9/18</i>	<i>111658</i>
1926 -	<i>9/20</i>	<i>108321</i>	1931 -	—	—

Blossom dates: 1924- *5/2*, 40% buds open; *5/6*, little past full.
1925- *4/15*, 50% " " ; *4/20*, past full.
1926- *5/1*, 50% " "
1927- *4/16*, first bloom - very light.
1928- *4/26*, " " ; *5/1*, 35% to 50% buds open.

Remarks: *Tree came received ~~4/3~~ 4/3/08 from Stark Bros, Pomona, Mo.*

Characterization: *Size below medium, roundish conic, smooth, regular. Has Chardenski's waxy bloom and Jonathan. Ground color medium yellow; highly colored specimens entirely overexposed and very dark blood red - some fruits nearly as dark as highly colored Arkansas Black - but mostly dark blood red. Slight suggestion of stripes on leaves with colored veins. Dots moderately numerous, yellowish quite conspicuous on red surface. Cavity medium width, rather deep, abrupt; stem 1/2" slender; basin medium; sepal rather long, converging; eye small, closed. Flesh yellowish, fine grain, tender, juicy, sprightly subacid, slightly astringent; watery (10/26) quite in season. Now only fair to good; disappointing in color & richness. Suggestion astringency noted above in 1926 confirmed by Dr. Brown (over)*

in 1927 fruits from storage Jan. 5, 1928.
Again noted in 1928 fruit.

Dec. 7, 1928, acidity more pronounced
in fruit from storage than previously
supposed to be characteristic of the variety.

Second sheet, Variety

King David

424

Storage notes:

1926 Crop. Out of storage Jan 31/27

Exam 2/4/27. In office refrigerator - meanwhile showed somewhat, otherwise in good physical condition. Flesh quite yellow, tender, juicy, mild subacid fairly sprightly but lacks richness and has no characteristic varietal flavor.

1927 crop. Out of storage 4/5/28; exam 4/9/28

Apparently flesh character about as above - a rather peculiar combination of flavors, rating probably as good. Suggestion of astringency - conferred by Darwin. (over)

Vigor of Tree: Exceptionally (strong) average weak. Size:

Exceptionally (large) average small.

Foliage: Very (abundant) normal scanty. Leaves: Very large medium small; Color: Light dark normal.

40% foliage now off.

Habit of Growth: Very (upright roundish) broad flat spreading.

Central leader: Partially retained (disappeared)

11/9/28

Branching:

Main limbs: Very medium (long) short; Very (medium slender stout) Medium straight (crooked)

Secondary limbs: (Numerous) medium few: (Medium) slender stout; (Drooping)

Twigs: (Many) medium few; (Medium) slender stout; Long (medium) short; (Straight) branched twiggy; Medium open (dense) Willowy.

Spurs: Very many (medium) few; Very (medium) slender stout;

(1/2 - 1 - 2) - 3 inch; Mostly branched (unbranched)

Spur twigs: (Few) medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

See below

Illustrations:

Tree photographed

Fruit painted several

Fruit modeled

Fruit described several

Disease notes by J. W. Roberts:

Row 6 is a small weak tree. Apparently crown gall or hairy root very bad. Notes on Row 5. Secondary branches and twigs have a characteristic droop - making tree of rather striking type.

1928 Cwp. Stored 10/2/28; ant 12/7/28 and
examined at once. Fish deepened
yellow - Has kept well. Fish characters
about as above except acidity more
pronounced than in specimens held
till a later date - a little harsh. Prime
eating condition now. Astringency
previously noted (in previous years) is
in evidence now.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Limbard*

Orchard location: Section *B* Row *1-2* Tree *1*

Arlington Accession No. *1865*

Pom. No. *24283*

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/23</i>	<i>102564</i>	1927 -	<i>10/6</i>	<i>109650</i>
1923 -	<i>9/28</i>	<i>104145</i>	1928 -		
1924 -	<i>10/8</i>	<i>105683</i>	1929 -		
1925 -	<i>10/15</i>	<i>107110</i>	1930		
1926 -	<i>11/1</i>	<i>108485</i>	1931		

Blossom dates: 1924 - *5/3*, full bloom - bloom very light.
1925 - *4/14*, 25% buds open; *4/16*, 90% buds open.
1926 - *4/28*, center buds open - only few clusters.
1927 -

Remarks: Oct 24, 1925. Considered in practically prime eating condition this date.
Scion from N. Y. exp. Sta 1902

Characterization: 1927 notes. Excellent specimens. Good size - larger than usual (several previous years abundantly note were concerned small size of fruits); very finely finished. Roundish conic, somewhat ribbed. Color - (overbuds) practically a solid bright red with only faint suggestion of striping on apex. Bots moderate, numerous, medium size, yellowish, conspicuous. Cavity - characteristic lifting conspicuous; basin lightly ribbed with 5 small knobs on rim of apex; sepals fair, long, quite large; eye medium, usually closed or nearly so. Flesh yellowish, texture rather fine, quite firm, juicy, mild subacid with flavor slightly characteristic - rating probably good. Fully firm and solid Nov *11/27*. Not as high quality as

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Second sheet, Variety

Kinnard

Storage notes:

1926 crop. out of storage 11/27; exam. 11/6/27.
will past its period of edibility. 3 out of 6 fruits
completely decayed; those not decayed present a good
external appearance and seem quite firm, but texture
of flesh is so mealy and dry as to be entirely unlike
the variety in its prime.

1927 crop. stored 11/27; out of storage 11/28; exam. 11/25-
excellent physical condition externally; firm to touch.
Texture distinctly grainy and mealy. Apparently will
past prime even though a firm to touch. Distinctly lacking
in juice; mild subacid; inferior in quality because of
overripeness.

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Bark dark color - smooth.

Habit of Growth: Very (upright) roundish broad flat spreading.
Central leader: Partially retained disappeared,

Branching: *few branches (main limbs)*

Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked.

Secondary limbs: (Numerous) medium few; Medium slender stout;
(*some drooping*).

Twigs: (Many) medium few; (Medium slender) stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium) few; Very medium (slender) stout;
(1/2 - 1 - 2) - 3 inch; Mostly branched unbranched;

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Dark colored, smooth bark and twiggy terminals

Illustrations:

Tree photographed Neg. No. 47880

Fruit painted *several*

Fruit modeled

Fruit described *many*

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Kittageskee*

Orchard location: Section *B* Row *1-2* Tree *2*

Arlington Accession No. *1866*

Pom. No. 24284

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/1</i>	<i>102491</i>	1927 -		
1923 -	<i>9/27</i>	—	1928 -		
1924 -	<i>9/15</i>	<i>105367</i>	1929 -		
1925 -	<i>9/18</i>	<i>106854</i>	1930		
1926 -	<i>9/20</i>	<i>108322</i>	1931		

Blossom dates: 1924 - *4/26*, 25% buds open; *4/29* full bloom - but very light.
1925 - *4/14*, part full - many petals off -
1926 - *4/28*, " "
1927 - *7/12*, 50% buds open.

Remarks: *Scions from N. Y. Agr Sta. 1902*

Characterization: *Size small; oblate, regular. - Self-colored - yellow; cowlily - russeted; dots scattered raised many of which are minute angular cracks in skin; flesh yellow, fine grain, firm and immature without much flavor (9-29-25) but 1926 specimens from storage were quite juicy. mild subacid or possibly sweet, rather rich, fairly high quality - a little higher acidity - might be an improvement.*

Storage notes: 1926 crop. Stored $\frac{1}{2}$ 1/26. Out of storage
 1/3/27. Office refrigerator until examined 1/26/27.
 Specimens have shriveled somewhat; otherwise
 in good condition. Flesh distinctly yellow,
 fine grain, breaking, considerable body
 to it, quite juicy. See characterization for
 further details as to quality.

Vigor of Tree: Exceptionally ^(below) ~~strong~~ average weak. Size:
 Exceptionally ~~large~~ average small.

Foliage: Very abundant normal scanty. Leaves: Very large
 medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish (broad flat spreading)
 Central leader: Partially retained disappeared.
 some secondary branches are upright.

Branching:

Main limbs: Very medium long short; Very (medium slender
 stout) Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout;
 Drooping.

Twigs: Many medium (few) Medium (slender) stout; Long medium
 short; Straight branched twiggy; Medium open
 dense; Willowy.

Spurs: Very many medium (few) Very medium (slender) stout;
 (1/2 - 1 - 2) - 3 inch; Mostly branched unbranched;
 Spur twigs: Few medium many; Terminal bearing mostly
 considerable slight none

General aspect of tree: Medium slender open dense stocky
 grower; Top round much broader narrower than tall.

One tree decidedly small and weak - other somewhat better.
 (see below)

Illustrations:

Tree photographed Neg. No. 47881

Fruit painted Several

Fruit modeled

Fruit described #21632 - 34862

Disease notes by J. W. Roberts:

only 3-4 inches of annual growth. General
 appearance of lack of thrift - but no
 apparent reason therefore.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Klickitat*

Orchard location: Section (a) C 25-26 Tree 5-47945
(b) 7 20 2-49008
Arlington Accession No. (a) 3055 - Pam. No. 24502
(b) 4388 " " 28577

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	9/30 (b)	10274	1927 -	9/26 (a)	109520
1923 -	10/26 (a)	104308	1928 -	8/22 (b)	109479
	10/4 (b)	104180			
1924 -	11/4 (a)	105964	1929 -		
1925 -	10/3 (a)	107004	1930		
	9/23 (b)	106960			
1926 -	11/1 (a)	10868	1931		

Blossom dates: 1924 - No. 3055 { 5/11, 90% buds open; 5/12 full bloom - very light } 1924 - 5/12 - full bloom - very light
1925 - 4/4, 25% buds open; 4/15 full } 1925 - 4/15, 90% buds open
1926 - 4/24 center buds open; 4/30, part full } 1926 - 4/30, No bloom
1927 -

Remarks: Both lots were received from H.C. Cook, White Salmon Wash.

No. 3055 on Apr. 5, 1902; No. 4388 on Apr. 13, 1903. No. question was raised in course of examination of fruit as to origin of the 2 lots, but questions were raised several times as to similarity of these lots to variety represented by painting on file - of fruit probably from

Characterization: Mr. Cook. Conclusion finally reached was that discrepancies were probably result of place effect and fruits were correctly handled. All notes combined in present summary.

Size - medium or above, roundish, came to slightly elongated cone, regular, smooth; ground color yellow, partly well overspread with bright red with practically complete absence of stripes - very attractive; dots fairly numerous about apex, yellowish or whitish, submerged, inconspicuous when fruit is colored, conspicuous on highly colored fruits; dots on body of fruits are large, raised, areole, conspicuous. Cavity shallow, broad, stem 1/4", fleshy; basin medium, practically smooth, sometimes slightly furrowed - (over)

Eye sometimes closed, sometimes open.
Infrafruits with open eyes, basin is a little
broader and not as concave as in fruits
with closed eyes which are shaped
considerable like brussels and eye
and basin. I suggest that variety
carpels rather large, seeds exceptionally
large, dark colored. Flesh yellowish,
fairly fine grain, crisp, firm, fairly
juicy, very mild subacid, fairly
rich, pretty good when fully ripe
but $\frac{10}{3/25}$ too immature for full
growth to develop.

$\frac{11}{9/24}$ not highly rated but pleasant

Storage notes: 1926 Crop. Out of storage 7/11/27. This is far beyond storage capability. 42.6 fruits completely decayed; only a single specimen remains in apparently good condition. This one is quite firm, flesh fine grain, tender, exceptionally juicy, mild subacid, rather pleasant with a somewhat characteristic flavor; good in quality, or better.

1927 Crop. Out of storage 12/12/27. Examined at once. (over)

Vigor of Tree: Exceptionally strong (average) weak. Size: Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very (upright roundish) broad flat (spreading) Central leader: (Partially retained) disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender well branched (stout) Medium straight crooked. Secondary limbs: Numerous medium few: Medium slender stout; Drooping.

Twigs: (Many) medium few; Medium slender (stout); Long medium short; Straight branched twiggy; Medium open dense; Willowy. Throughout tree

Spurs: Very many (medium) few; Very (medium) slender stout; 1/2 - 1 - 2 - 3 inch; (Mostly branched unbranched) Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Fig No. 47945

Fruit painted #8391-105964 Fruit modeled

Fruit described #8391

Disease notes by J. W. Roberts:

Tree Row 25 is a fine, strong healthy tree with good clean limbs. Much twiggy growth well distributed throughout top. Tree Row 26 and 7:20:2 are both poor trees, weak and broken. Much canker on sun scald on limbs, some limbs lost, and in general, of not much account.

1/27/28

Notes on C:25:5

See statement below.

12/14/27 In excellent condition - in appearance.
Some of fruits are past prime in
eating condition. Flesh fine
grain, tender, juicy, mild
subacid, looking in richness
with a rather immature
flavor. Fair in quality.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Kooroochiang*

Orchard location: Section *7* Row *17-18* Tree *2*

Arlington Accession No. *4376*. S.P.J. No. *6734*. Pom. No. *28462*

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>10/13</i>	<i>102838</i>	1927 -		
1923 -	<i>10/12</i>	<i>104263</i>	1928 -		
1924 -	<i>11/4</i>	<i>105996</i>	1929 -		
1925 -	<i>10/10</i>	<i>107111</i>	1930		
1926 -	—	—	1931		

Blossom dates: 1924 *7/2* full bloom
1925 *7/15* " "
1926
1927

Remarks: *Much water core in 1923*

An apple of striking appearance but apparently not of any particular value.
Stock received *3/20/03* (over for source)
Characterization: *Good size to very large. General appearance of winter Paradise, or possibly more nearly comparable with a well colored Fallawater. Ground color greenish yellow, mostly overstruck with pinkish red and butterwick, making an apple of most peculiar appearance. Stems rather numerous, small, partly submerged, yellowish, inconspicuous. Flesh slightly tinged yellow, fine grain, firm, rather tough, exceedingly sour, at least until fully ripe. 10/7/24 it was still immature - hard and tough. 10/24/25 it was noted as "still rather acid but quite immature" and tough. (no 2nd sheet) (over)*

3/2/26

Tree above medium in size,
rather open, but in general
Northern Spy type; rather
more spreading than
Northern Spy.

Reg. No 44671

Printings:

55606

107111

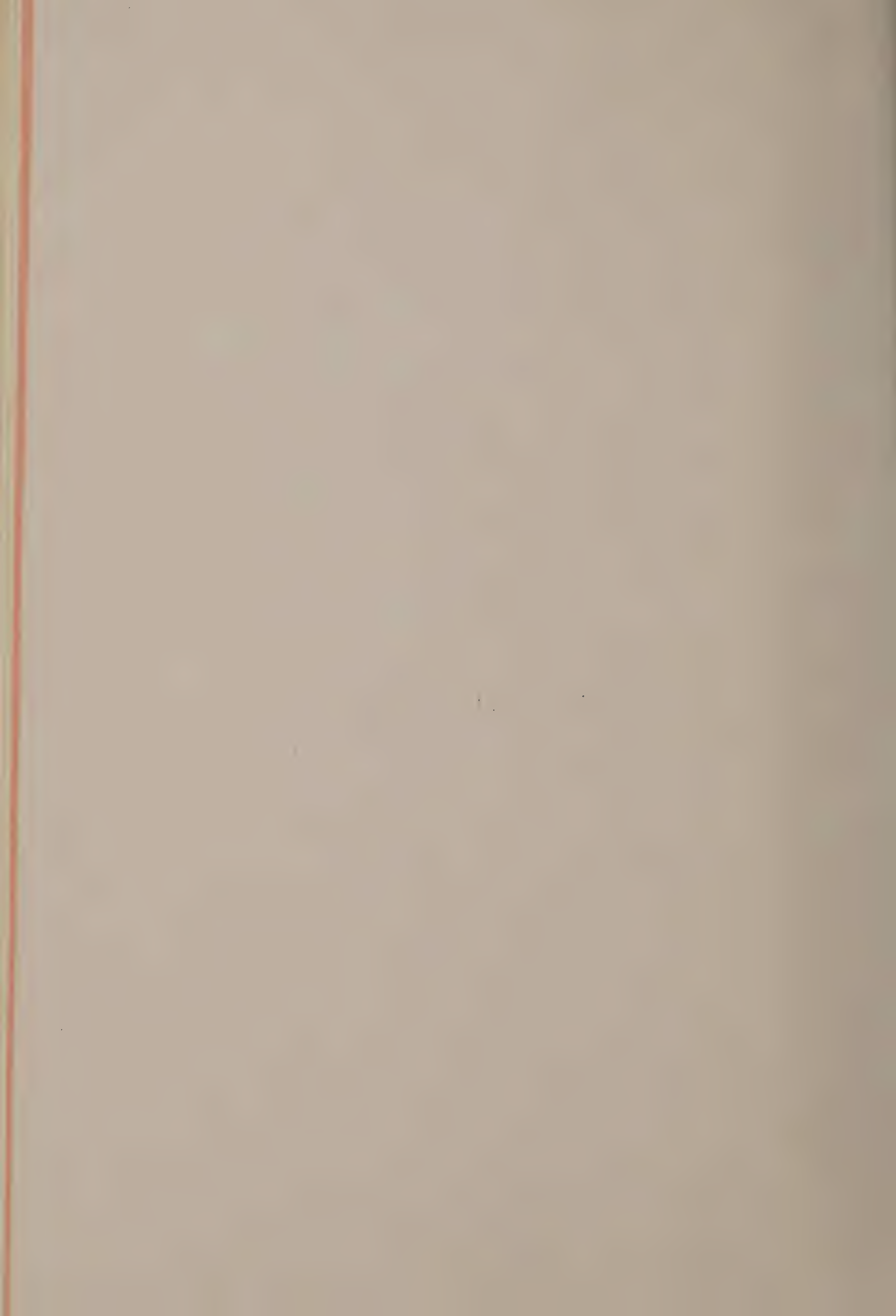
Description: # 55606

Original receipt. Pam No. 21723

2 P.F. 6734 through (or from)

C. A. Nobelius, Sydney - N.S.W.

Grown in nursery on Flats - from
which scions come for propagating
trees at Arlington - No. 25462



VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Lady Swart (supposedly)*

Orchard location: Section *E* Row *24* Tree *4*

Arlington Accession No. *4317* (See acc. No. 1868, B:1-2:4
Pom. No. 28418 (Also *Lady Swart* - supposedly)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	—	—	1927 -	—	—
1923 -	<i>9/8</i>	<i>103907</i>	1928 -	—	—
1924 -	—	—	1929 -	—	—
1925 -	<i>9/10</i>	<i>106741</i>	1930	—	—
1926 -	<i>9/9</i>	<i>107913</i>	1931	—	—

Blossom dates: 1924 - *No bloom*
1925 - *4/14, 60% buds open. Very light bloom.*
1926 - *4/30, 50% " "*
1927 -

Remarks: *This no. and acc. No. 1868 both received from Geneva, the former in 1902, the latter in 1903. See remarks under acc. No. 1868 for other details.*

Characterization: *Considering season, keeping qualities etc, it seems very doubtful if this is Lady Swart.*

1926 notes - *See also Blush's description in apples of New York.*
Good size, somewhat, somewhat irregular, indistinctly ribbed. Some specimens slightly compressed. Leaves a little irregular, round color yellow, fairly heavily waxed and striped with ^{brown} over about 1/2 the surface. A whitish bloom covers the apple, a rather dull cast; a suggestion of fine buttermilk flecking, dots variable but mostly minute and inconspicuous. Flesh yellowish, a little coarse grain, fairly tender, a little lacking in juice, (over)

Fairly rich when in prime condition
but apparently that period is of short
duration. Flavor is rather flat
until prime condition is reached.

In 1925 - Sept. 10 - Notes Sept. 16.

Fruit was taken from ground
and there was over ripe ($1/16$).

Some fruits water-soaked.
Flesh very yellow, rather coarse
grain, very sweet, but in
present condition not rich.

This does not check with Acc. No. 1868
in season, and apparently not
in degree of sweetness.

Second sheet, Variety

Lady Sweet (?)

433

Storage notes:

acc. no. 4317 (E: 24:4)

none.

2/6/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat (spreading)
Central leader: Partially retained (disappeared)

Branching: *Much branched. short stocky limbs*
Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout;
Drooping. *Many secondary branches*

Twigs: (Many) medium few; (Medium slender stout); (Long) medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium) few; Very (medium slender stout);
1/2 - (1 - 2) - 3 inch; Mostly branched (unbranched)
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed E: 24:4. Neg. No. 49022; B: 4:2 (?) Neg. No. 47903)

Fruit painted *Several* Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts:

VARIETY APPLE CRONARD
Arlington Farm

Variety:

Lady Sweet

Orchard location:

Section

B

Row

1-2

Tree

4

Arlington Accession No.

1868

Pan. No. *24286*

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/23</i>	<i>102958</i>	1927 -	<i>9/23</i>	<i>109521</i>
1923 -	<i>9/28</i>	<i>104150</i>	1928 -		
1924 -	—	—	1929 -		
1925 -	<i>10/3</i>	<i>107005</i>	1930		
1926 -	<i>9/20</i>	<i>108323</i>	1931		

Blossom dates:

1924 - *No bloom*

1925 - *4/14 75% buds open; 4/16, little past full.*

1926 - *4/28 90% " "*

1927 -

Remarks:

Received from Geneva N.Y. in 1902

Acc. No. *4317*

"

" as accessions *3/13/03*.

Supposed to be identical but question raised several times as to the facts. Picking dates do not correspond. Notes inadequate. Apparently No. 4317 did not keep as well as No. 1868.

Characterization:

Size above medium to good size; roundish cone, sometimes slightly elongated; ground color yellow, in better colored fruits much overred with solid red, sometimes rather dull, indistinctly striped; less well colored fruits red is mostly in form of stripes. Some specimens have a good deal of butter milk in form of closely placed speckles; heavy purplish bloom, making a rather striking appearing apple. Stems fairly numerous, variable, some yellowish, minute, submerged; others irregular, raised, areole, (over)

Flesh lightly tinged yellow, fine grain,
considerable body, a little tough, rather
dry in 1925 but in 1926 moderately juicy,
nearly neutral or slightly sweet, rather
flat, lacking richness, fairly good.

9/30/27 noted as fair in quality - probably
better later. 1927 crop from storage
Jan 9, 1928 - rating "probably good
in quality, though lacking in
richness."

Pom. No 24255, Acc. No. 1867 also from
U. Y. Exp. Sta - 3/6/02. But there appears
to be no fruit records from this No.
Recorded as hardy - not fully sweet.

Second sheet, Variety *Lady Sweet* (Arc No. 1868) 1135

Storage notes: 1926 crop. Stored 10/36. Out 1/31/27
Exam. immediately. Kept pretty well.
slight shriveling. Flesh yellowish, fine
grain, considerable body but quite tender,
quite juicy, sweet, lacks richness, only
"fairly good". Some of these fruits held in
office refrigerator until Feb 24. Apparently
changed but little. Slight shriveling noted.
fairly tender, quite juicy, moderately rich, fairly
good.

(Below) (over)
Vigor of Tree: Exceptionally strong average weak. Size:
Exceptionally large average small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish (broad) flat (spreading).
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very (medium) slender
~~will be branched~~ stout; Medium straight crooked. ~~Smooth~~
Secondary limbs: Numerous medium few: Medium slender stout;
Drooping.

Twigs: (Many) medium few; (Medium slender) stout; Long medium
(short). Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium) few; Very medium (slender) stout;
(1/2 - 1 - 2) - 3 inch; Mostly branched (unbranched);
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

A rather light open grower, compared with some
varieties.

Illustrations:

Tree photographed

Fruit painted *Several* Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts:

1927 crop. stored $\frac{10}{11}$; $\frac{1}{5}$ out of storage $\frac{1}{5}$
exam 1/9/28. Kept well: prime eating
condition. Fine grain, tender, juicy,
sweet - flavor a little more pronounced
than in Sweet Home such, but with it
there is a slight flavor a little
unpleasant. It lacks richness in
comparison with Sweet Home such
but probably "good" in quality.

Apparently this apple does not
reach its best quality until early
winter.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Lankford*

Orchard Location: Section *D* Row *2* Tree *1*

Arlington Accession No. *3056* { *See acc. No. 1864 B:1-2:57*
Pom. No. 24506 { *also Lankford*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	—	—	:	1927 -	—	—
1923 -	—	—	:	1928 -	—	—
1924 -	<i>10/11</i>	<i>105611</i>	:	1929 -	—	—
1925 -	—	—	:	1930	—	—
1926 -	<i>10/20</i>	<i>108688</i>	:	1931	—	—

Blossom dates: 1924- *5/1, 25% buds open; 7/3, full bloom.*
1925- *4/14, 20% " " - few clusters only*
1926- *7/30, 40% " "*
1927-

Remarks: *Scions from S. H. Derby, Woodside, Del.*
5/4/02. No. 1068, from Geneva N.Y. 1902.

Characterization: *Size medium, smooth, fairly regular, a little top sided. Same color sides a little unequal. Ground color bright red. Stots, numerous, yellowish, rather well overtopped with same suffused, some slightly raised. Cavity mostly smooth, sometimes a little wrinkled. Skin broad, fairly deep; eye open large. Flesh yellowish, fairly fine grain, quite juicy, mild and bland. 11/2/26 held as pleasant but lacking richness. No characteristic flavor, only fair in fruit. 10/6/24 considered rather rich, good to very good. See storage notes.*

Second sheet, Variety *Lankford* (acc. No. 3056)

437

Storage notes: 1926 crop. Out of storage 7/25/27.
Exam. 4/1/27. Physical condition good except -
for scald of which there is considerable. Flesh
tender, a little tendency to meakiness though
fairly juicy, mild subacid; good in quality,
or below; a characteristic flavor not unpleasant.
Considering time of season, it seems a
rather good apple.

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

11/28

Habit of Growth: Very (upright) roundish broad flat (spreading).
Central leader: Partially retained (mostly) disappeared.

Branching:

Main limbs: Very medium long short; Very (medium slender
stout); Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout;
Drooping. *Modestly well branched.*

Twigs: Many (medium) few; Medium (slender) stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium) few; Very medium (slender) stout;
1/2 - (1 - 2 - 3 inch) Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

a rather diffuse open top, little like walf
Illustrations: *River type.*
Tree photographed

Fruit painted *Several* Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Lankford*

Orchard Location: Section *B* Row *1-2* Tree *5-*
Arlington Accession No. *1864* { *See acc. No. 3056. D:2:1*
Pam. No. 24287 { *also Lankford*

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/23</i>	<i>102593</i>	1927 ..		
	<i>9/29</i>	<i>102743</i>			
1923 -	<i>—</i>	<i>—</i>	1928 -		
1924 -	<i>11/4</i>	<i>105951</i>	1929 -		
1925 -	<i>10/1</i>	<i>107006</i>	1930		
1926 -	<i>—</i>	<i>—</i>	1931		

Blossom dates: 1924 *5/1, 40% buds open; 7/3, full bloom.*
1925 *4/14, 25% " " ; 4/18, slightly past*
1926
1927

Remarks: *Scions from Geneva N.Y. 1902.*
Scions of No. 3056, from J. H. Dorby,
Woodside, Delaware.

Characterization: *1925 notes, mostly. Typical in*
form but perhaps more inclined to oblate
than usual. Ground color yellow with a greenish
tint - an absence of red over spread in
most fruits; some show a bronze blushing
but it is pretty light. Stems numerous, some
submerged and inconspicuous, others raised
dark brown areole. Some fruits suggest Maine
in their dots and peculiar color. In some fruits
basin is narrower and more acute than typical
is; in others it is typical of the variety. Flesh
yellowish, fine grain, fairly tender, mild subacid,
fairly good. Would probably be better if specimens
were a little more mature (11/3/25) (no 24 about gone)

11/17/24 - Under pine subacid; not particularly high quality, but on whole rather pleasing.

2/27/26. 1 or 2 medium size, healthy, upright; not many secondary branches, but many short twigs and spurs; bark smooth.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Lametta* (French crab)

Orchard location: Section *J* Row *11-12* Tree *5*

Arlington Accession No. *8181*

Pom. No. *46398*

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -			1927 -	<i>10/4</i>	<i>109594</i>
1923 -			1928 -	—	—
1924 -			1929 -	<i>9/16</i>	<i>111252</i>
1925 -			1930 -	—	—
1926 -	<i>10/1</i>	<i>108324</i>	1931 -	—	—

Blossom dates: 1924 - *5/2*, 50% buds open; *5/6*, little part full.
1925 - **4/15*, 20% " " ; *4/20*, little part full but still few buds.
1926 - *5/3*, full bloom.
1927 - *4/26*, buds just show pink; *5/2*, 25% buds open.

Remarks: * slightly more advanced than most of French crabs.
Scions received *3/23/10*.
See Caldwell: J. A. R. Vol. 36, No. 5 (Feb. 1, 1928) pp 311-406
Scions from Dr. L. H. Sturges - *7/10/10*

Characterization: Size medium or below (*2 1/4"* up in diameter), sharply rounded conic to sharply elongated conic. Ground color yellow, covered with dull red stripes, which in the later colored fruit blend more or less into a wash of red. Stems numerous, variable from indistinct to slightly raised and brownish - rather inconspicuous. In 1926 surface of most fruits had much coarser russet and better cracking but in 1927 the finish was fairly smooth. Core medium; basin small; eye closed. Flesh lightly tinged yellow, fairly fine grain, a little tough, fairly juicy, sweet, distinctly bitter, astringency pronounced.

Storage notes: 1927 Crop. Stored 7/19/27, Out 7/14/28
 Exam. 7/18/28. Past its storage durability;
 some decay; fruits showed somewhat
 true grain, fairly juicy, mild sub-acid,
 very astringent.

11/15/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
 Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
 medium small; Color: Light dark normal.

Habit of Growth: Very upright (roundish broad-flat spreading)
Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very (medium) long short; Very (medium) slender
 stout; Medium (straight) crooked.

Secondary limbs: Numerous (medium) few; (Medium) slender stout;
 Drooping.

Twigs: Many medium (few); (Medium) slender stout; (Long) medium
 short; (Straight) branched twiggy; Medium (open)
 dense; Willowy.

Spurs: Very (many) medium few; Very medium slender stout;
 (1/2 - 1 - 2 - 3 inch); Mostly branched (unbranched)
Spur twigs: Few medium many; Terminal bearing mostly
 considerable slight none

General aspect of tree: Medium (slender open) dense stocky
 grower; Top (round ~~much~~ broader narrower than tall)

See below

Illustrations:

Tree photographed

Fruit painted None

Fruit modeled

Fruit described None

Disease notes by J. W. Roberts:

A symmetrical, slender, open grower;
 well formed but rather lumpy bearing
 surface; clean healthy appearing bark.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Lannette-groose* (French crab)

Orchard location: Section *K* Row *15-16* Tree *2*

Arlington Accession No. *10856*

Pom. No. not in acc card			Recd 3/11/11		
Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	---	---	1927	<i>8/25</i>	<i>109346</i>
1923 -	---	---	1928	<i>10/14</i>	<i>109595</i>
1924 -	<i>10/1</i>	<i>105460</i>	1929	<i>9/28</i>	<i>110433</i>
1925 -	<i>10/28</i>	<i>107187</i>	1930	<i>9/16</i>	<i>111253</i>
1926 -	---	---	1931	---	---

Blossom dates: 1924
1925
1926
1927

*Lannette from the Va. Expt. Sta.
3/10/10 recorded as #46398 - but
this may not be Lannette-groose*

Remarks: *Scions from Va. Expt. Station
through Dr. D. N. Chapman
* In 1925 specimens were picked up from ground
See Bellwell: J.A.R. Vol. 36, No. 5 (March 1, 1928) pp 377-706*

Characterization: *Mostly Oct. 5, 1927 notes. Wc about 2 3/8" in
diameter; oblate - some fruits nearly round. Ground
color yellow - a suggestion of red striping sometimes; also
a grayish overcast. Dots numerous, stellate, brownish,
rather large, conspicuous; quite a lot of fine lenticle
cracking and some russet flaking. Core
medium depth, rather narrow; stem 1/4" to 1/2"; basin
medium depth and width, sides quite abrupt;
sepal fairly long, eye medium, practically closed.
Flesh tinged yellow, texture fine grain, tender,
fair, juicy, mild subacid, somewhat astringent -
with fully ripe, very astringent.*

No 2 & sheet

Oct 1, 1929. Specimens held at room
underneath since harvest Sept. 16
now have a spongy feel though
not shrunken perceptibly.

Painting: None

Description: None

VARIETY APPLE ORCHARD
Arlington Farm

Variety *Lawrence* (see under Remarks)
Pomology No. *apparently not recorded*
Orchard location: Section *7* Row *24* Tree *3*
Arlington Accession No. *5011*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -			:	1927 -		
1923 -			:	1928 -		
1924 -			:	1929 -		
1925 -	<i>7/29</i>	<i>106525</i>	:	1930 -		
1926 -			:	1931		

Blossom dates: 1924 -

1925 -

1926 -

1927 -

Remarks:

Only this one picking record - why no more is uncertain. Fruit sent from Arlington Farm was labeled Washington Strawberry - seems were from J.B. Mitchell, Cresco, Ia. under the name Lawrence. How the fruit came to be labeled Washington Strawberry is uncertain.

Characterization:

From oblate-conic

ground color greenish yellow with bright red stripes and mottling, a little bluish overexposed; flesh white, fine grain, firm, lacks juice; mild subacid, rather sprightly, pleasant, pretty good quality. Identity very uncertain - Possibly a local variety with Mr. Mitchell. No paintings (no 2d sheet) no descriptions.

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VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Lavoor*

Orchard location: Section *B* Row *3-4* Tree *1*

Arlington Accession No. *1870* (see under Remarks)
Parr. No. 24288

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	—	—	:	1927 ..		
1923 -	—	—	:	1928 -		
1924 -	<i>9/15</i>	<i>105444</i>	:	1929 -		
1925 -	<i>10/8</i>	<i>107007</i>	:	1930		
1926 -	—	—	:	1931		

Blossom dates: 1924 *4/29, 25% buds open; 7/3, full bloom*
1925 *4/14, 20% " " 4/16, 90% buds open*
1926
1927 *Scion from N.Y. Sta 1902*

Remarks: *1870 renewed from Geneva N.Y. in 1902*

acc. No. 4976. E : 3:3. Specimens picked 9/22, 9/23/22 (2 lots) and 9/27/23 were delivered as Lavoor and in each case the label was marked OK without any other notes. However, the acc. record shows acc. No. as Keeper, renewed as 2 trees.

Characterization: *4/6/05 from the Spaulding - Mr. Co. Spaulding, Ill. There was obviously a mistake at some point but where is not uncertain 5/24/2.*

Characterization: *Only a brief note was recorded under date 7/14/25 - stony fruit below standard in size, mostly not above medium; not as highly colored as usual; finish rougher and less attractive than usual. Flesh tinged yellow, fairly fine grain, moderately juicy.*

Too immature to develop flavor. (over) no 2d shoot.

2/26/26

Tom large, strong, healthy
(muscle), upright. Some
cancer in trunk and
limbs.

Paintings: Several
Descriptions: Several

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Legace No. 2*

Orchard location: Section *D* Row *1* Tree *4*

Arlington Accession No. *3059*

Pom. No. 24410

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>8/11</i>	<i>102252</i>	:	1927 -		
1923 -	—	—	:	1928 -		
1924 -	<i>8/29</i>	<i>105175</i>	:	1929 -		
1925 -	<i>8/17</i>	<i>106599</i>	:	1930		
1926 -	—	—	:	1931		

Blossom dates: 1924

1925

1926

1927

Remarks:

*Scans 4/5/02 from Jules Lagace
Frazerville, Canada.*

Characterization:

8/3/24 a small oblate apple, ground color yellowish, rather pretty striped, but a non descript thing of no apparent value.

8/30/25: medium to small, red striped; of no apparent merit. While not unpleasant to eat it has nothing in particular to recommend it.

*no paintings
" descriptions*

No 2d sheet

VARIETY APPLE ORCHARD
Arlington Farm

4/15

Variety: Limoncelli (Mulo Limoncelli)

Pomology No. 24436

Orchard location: Section 7 Row 2 Tree 5

Arlington Accession No. 4328 (See also acc nos. 4326 and 4327)
S.S. No. 9470

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	—	—	:	1927 -		
1923 -	<u>10/9</u>	<u>104130</u>	:	1928 -		
1924 -	<u>10/28</u>	<u>105991</u>	:	1929 -		
1925 -	—	—	:	1930 -		
1926 -	—	—	:	1931 -		



Blossom dates: 1924 - 12/4 - 5/2 full bloom (light)
1925 - 12/5 - 4/4 first bloom
1926 - 4/20 full bloom
1927 - 4/20 full bloom
Scions received 7/14/03 as were others above mentioned from Prof. L. Savastano, Naples, Italy through Kattrop and Fairchild. See S.S. Inventory entry under No. 9470.

Remarks: Fairchild says it is a lemon-yellow fruited variety - one of the best market varieties in southern Italy. Hard, crisp, slightly tough, flesh subacid and highly flavored.

Characterization: slow medium in size, oblong oval in shape, somewhat tapered, stem sides unequal, ground color yellow, in 1923, a slight purplish red blush, numerous conspicuous russet dots in 1924+. Flesh tinged yellow, fine grain, tough, fairly juicy, mild subacid, fairly pleasant. Too small and inferior in appearance and too lacking in merit generally to be of value here. Might be of more value in the South. (over) (No 2d sheet)

3/2/26 Tree medium size or below,
upright, quite spreading,
springs far back on secondary
branches - branching normal,
somewhat plum tree type.

Parenting: #30761 - under
Limnucello

Description: #30761 " "

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Loddington*

Orchard Location: Section *H*

Row

25-26

Tree

5

Arlington Accession No.

6587

*{ See Golden Noble Acc. No. 6577
25-26: 3*

Pen. No. 40814

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>8/14</i>	<i>102200</i>	1927 -	<i>7/28</i>	<i>109212</i>
	<i>or</i>	<i>102260</i>			
1923 -	<i>8/13</i>	<i>103388</i>	1928 -	<i>8/14</i>	<i>110261</i>
1924 -	<i>—</i>	<i>—</i>	1929 -	<i>7/28</i>	<i>111025</i>
1925 -	<i>8/1</i>	<i>106573</i>	1930 -	<i>7/29</i>	<i>111495</i>
1926 -	<i>8/9</i>	<i>107870</i>	1931 -	<i>7/30</i>	<i>112268</i>

Blossom dates: 1924 - *5/2, 40% buds open; 5/6, little fruit full*
previous record
4/30 from 1925 - 4/15, 40% " " ; 4/20, part full but still
6/30 from 1925 - 4/15, 40% " " ; 4/20, part full but still
** C. B. Cowell*
Missouri
1926 - 4/30, 90% " "
1927 - 4/26, 20% " " ; 5/1, 25% buds open.

Remarks: *1923 - noted that it is very close to, if not identical*
with Golden Noble Acc. No. 6577. # 25-26: 3. However no
later reference to such similarity was made. In 1925
it was accepted as correctly identified but noted that it was
very different in shape from an English grown specimen
described by Prof. Van Dermen.

Characterization: *Size very large, slightly irregular, slightly*
ribbed; roundish to slightly oblate - some specimens
more oblate than others. Ground color greenish or
greenish yellow, mostly self colored but some specimens
showing slight bluish or shading - usually no red -
a little buttermilk overripe; whitish bloom.
Stems numerous, submerged, inconspicuous - a few brownish
dots irregular in form. Cavity - rather large and deep;
stem 3/4" stout; basin medium to large, abrupt
sepals medium to large, sometimes converging,
sometimes reflex; eye large, partly open. Flesh white
or slightly tinged yellow, moderately fine grain, fairly
tender but considerable body, juicy, rather acid,
fairly rich. Good. Because of acidity, it is (over)

probably better for cooking than for eating
out of hand; too acid for latter.
3/4 - pretty firm, but apparently picking
ripe.

Storage notes:

Vigor of Tree: Exceptionally (strong) average weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant (normal) scanty. Leaves: Very (large)
medium small; Color: Light (dark) normal.

Habit of Growth: Very upright roundish (broad flat spreading)
Central leader: Partially retained disappeared.

10/20/28

Branching:

Main limbs: Very (medium) long short; Very (medium) slender
stout; Medium straight (crooked)

Secondary limbs: Numerous (medium) few: Medium slender (stout);
Drooping.

Twigs: Many (medium) few; Medium slender (stout); Long medium
short; (Straight) branched twiggy; (Medium open)
dense; Willowy.

Spurs: Very (many) medium few; Very medium slender (stout);
1/2 - (1 - 2) - 3 inch; Mostly branched (unbranched)
Spur twigs: (Few) medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense (stocky
grower); Top round much (broader narrower than tall).

Illustrations:

Tree photographed

Fruit painted #110261

Fruit modeled

Fruit described line - early series

Disease notes by J. W. Roberts:

A fine type of tree - stocky - sturdy -
broad, flat top, with great expanse
of lower limbs
Disease note. 1926 - Sept. 13. Some specimens show
well defined fruit spot infections; pits occur in flesh
1/4" deep beneath the skin; not in evidence in 1927,
but occurred 8/17/1928.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Lord Walseley*

Orchard location: Section *7* Row *3: 4* Tree *5*

Arlington Accession No. *4344* See *F: 13: 14: 5*

Pom. No. *28463* (SPJ. 6750) acc. No. *4369*, also *Lord Walseley*
Date Picked Pomology : Date Picked Pomology
Year - Picked Number : Year - Picked Number

1922 -	<i>10/13</i>	<i>102849</i>	1927 -		
1923 -	<i>10/12 *</i>	<i>104243</i>	1928 -		
1924 -	<i>10/18</i>	<i>105992</i>	1929 -		
1925 -	—	—	1930		
1926 -	—	—	1931		

Blossom dates: 1924 acc. No. *4344* is SPJ. *6750*,
1925 Pom. *28463*
1926 acc. No. *4369* is SPJ. *6763*
1927 Pom. No. *28464*.

Remarks: Stock received *3/20/03* (see over for source)
Information recorded, too fragmentary
to be of much value.
* This record is on acc. No. *4369* (SPJ. *6763*)
Assumption is that both numbers were same variety,
but no note of confirmation.

Characterization: *10/18/23* acc. No. *4369*. Very juicy,
sprightly subacid.
10/30/24 acc. No. *4344*. Medium size or slightly
above; ground color, greenish white with a
little mottled red on some specimens; grayish
overexposed in some cases. Flesh lightly
tinged yellow, fairly fine grain, fairly juicy,
fairly rich; light acidity. Very open core
formation.

Acc. No. 4344.

Blossom -

1924, $\frac{5}{16}$, 90% buds open; - light bloom

1925, $\frac{4}{20}$, 20% " " " "

$\frac{3}{13/26}$ Fine, large healthy tree, strikingly
like striped Beech.

acc. No. 4369

Blossom -

1924, $\frac{5}{11}$, first bloom; $\frac{5}{16}$, 75% buds open

1925, $\frac{4}{20}$, 25% buds open; $\frac{4}{23}$, 90%
buds open

$\frac{3}{12/26}$. Tree not as large as above
(No. 4344), but same type.

Paintings: 85604

105992

Description #85604

Source -

Mr. Swin's card list - under name Walsley
Original receipt recorded as Pam. No. 21727.
Det. V. 6750 from C. A. Hobkins, Sydney,
N. S. W. Scions from which Pam. No. 21746
were propagated were cut from nursery
on Palmer's flats. $\frac{3}{11/03}$

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Lou

Pom. No. 24257

B

Orchard Location: Section

Row

3-4

Tree *2*

Arlington Accession No. *1871*

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>7/10</i>	<i>101542</i>	1927 ..		
1923 -	<i>7/17</i>	<i>103351</i>	1928 -		
1924 -	<i>7/23</i>	<i>105037</i>	1929 -		
1925 -	<i>7/11</i>	<i>106475</i>	1930		
1926 -	<i>7/21</i>	<i>107634</i>	1931		

Blossom dates: 1924 - *4/26*. 50% buds open; *4/29*. full bloom.

1925 - *4/14*. few petals dropping - bloom mostly set / small umb.

1926 - *4/28*. full bloom.

1927 - Scion from U. V. Sta. 1902

Remarks: *7/28/24* noted that it was a pleasant little apple but of doubtful value. *7/17/25* noted that so far as dessert quality is concerned it is worth following up but its small size is against it. *8/2/26* - picked *7/24*. evidently held in office meanwhile and fruit deteriorated badly; good deal decay and break down at center. didn't then see much of value in it

Characterization:

Below medium in size, roundish slightly conic, sometimes slightly ribbed. Ground color pale yellow, bristly striped with bright red in better developed fruits, suggesting an apple of Russian type. Flesh fine grain, very tender, pink juice; rather sharply acid with no very characteristic flavor. Seeds medium size, obtuse, very plump.

Second sheet, Variety

Lou (Lou)

415

Storage notes:

1/6/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat spreading.
Central leader: Partially retained disappeared.

Branching: *well branched - fairly stout*
Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping. *smooth limbs.*

Twigs: Many (medium) few; (Medium slender stout); Long medium
short; Straight branched twiggy; Medium open
dense; Willowy. *well covered with spurs.*

Spurs: Very (many) medium few; Very medium slender stout;
(1/2 - 1 - 2) - 3 inch; *terminal* (Mostly branched) unbranched;
Spur twigs: Few medium (many) Terminal bearing mostly
considerable slight none

spurs distributed along twigs.
General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed Neg. Nos. 47882

Fruit painted *none*

Fruit modeled

Fruit described *#17698*

Disease notes by J. W. Roberts:

*Tree Row 3 distinctly small and inferior
Notes on Tree Row 4 - But very little
annual growth on that tree.*

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *London** *Reppin* [London]

Orchard location: Section *E* Row *13-14* Tree *5*

Arlington Accession No. *4293*

Pom. No. 28330

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>10/13</i>	<i>102859</i>	1927 -	<i>9/22</i>	<i>109522</i>
1923 -	—	—	1928 -		
1924 -	<i>10/14</i>	<i>105701</i>	1929 -		
1925 -	<i>9/23</i>	<i>106855</i>	1930		
1926 -	<i>9/17</i>	<i>108325</i>	1931		

Blossom dates: 1924- *4/28, 25% buds open; 7/6, first full, but still buds*
1925- *4/14, 80% " " 4/20, " "*
1926- *4/30, full bloom*
1927- *4/12, first bloom.*

Remarks:

scions from John Repp, Clear Spring, Md.

March 9, 1903

** of B. origin. Probable spelling should be*

Londoun same as London Co. Va.

In 1924 and 1925 this was considered identical with

Shannon (8:9-10:5) acc. No. 4209, but in 1926, it was decided

Characterization:

Mostly 1926

notes.

Size large to

very large.

Lafayette oblate; lobes a little unequal, slightly compressed

sometimes, a little irregular, sometimes slight ribbing.

Ground color greenish yellow, mostly soft colored but

sometimes a pinkish blush; considerable skin but

mark overexposed. Vals variable, numerous, mostly

almost imperceptible about apex, yellowish and

brownish, mostly on sides and base; conspicuous

or not, depending on the surrounding color.

Flesh yellow, grain a little coarse, fine, tender

quite juicy, mild subacid when fully ripe, lacks

richness, fair to good in quality. 9/28/27 - not fully mature

but apparently not a long keeping apple

Second sheet, Variety

London

452
(London Pippin)
see under
Remarks.

Storage notes:

12648

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish broad flat spreading
low top. Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very medium long short; Very medium slender
(stout) Medium straight (crooked) Compact

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping, (much crooked?) compact top.

Twigs: (Many) medium few; Medium slender (stout) Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium) few; Very medium slender (stout)
1/2 - (1 - 2 - 3 inch) (mostly branched) unbranched;

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Compact, dense growth and "twiggy", Crooked main
limbs.

Illustrations:

Tree photographed Reg. Nos. 42648 + 47795

Fruit painted #98319

Fruit modeled

Fruit described Several

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Howell* (see under Remarks)

Orchard location: Section *B* Row *3-4* Tree *3*

Arlington Accession No. *1872*

Pom. No. 24290

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>8/19</i>	<i>102272</i>	1927 -	<i>8/17</i>	<i>109347</i>
1923 -	<i>8/16</i>	<i>103417</i>	1928 -		
1924 -	<i>9/5</i>	<i>105168</i>	1929 -		
1925 -	<i>8/17</i>	<i>106592</i>	1930		
1926 -	—	—	1931		

Blossom dates: 1924 - *5/3*, full bloom - but very light
1925 - *4/14*, 25% buds open; *4/16*, 90% buds open
1926 - no bloom.

1927 - *Scions from H. V. Sta 1802*

Remarks: To be considered in connection with so called *Selden Pippin*. Acc No. 4307 (8:11-20:4) No. 4308 (8:11-20:5) and No. 6321 (5:9-10:3). *fructification* was raised under these numbers as to correct identity. with conclusion that if *Howell* (above) was correctly named, then all of these lots were probably *Howell*. In 1922 the specimens of acc No. 1872 were considered as incorrect.

Characterization: but in other years they were assumed to be properly identified (as likely they were in 1922) though not checking in all particulars with *fructification* (5) on file. In 1927 it was stated on the *fructification* card that *Selden Pippin* appeared to be a later apple than *Howell* — but this view is not supported by picking dates for above named lots of so called *Selden Pippin* (as suggested above) if they were all *Howell* (or identical with No. 1872) picking dates would of course be about the same. (over)

Characterization: Size medium to good,
roundish, sometimes slightly conic, uniform,
regular. Ground color yellow, practically self-
colored. Oats numerous, mostly small, submerged,
inconspicuous, a few brownish. A little
rusting in cavity. Surface has a
grassy feel characteristic of Lowell.

Flesh tinged yellow, fine grain, tender,
fairly juicy, mild subacid when fully ripe,
pleasant, fairly good. Sometimes a
slight peculiar favor, apparently char-
acteristic, a little suggestive of mustiness.
Prime condition for eating. 9/5/57

Second sheet, Variety

Lowell

454

Storage notes:

1/6/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat (spreading)
Central leader: Partially retained disappeared.

Branching: well branched, smooth,
Main limbs: Very medium long short; Very (medium slender
stout) Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout;
Drooping.

Twigs: (Many) medium few; (Medium slender) stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many medium (few) Very medium (slender) stout;
(1/2 - 1 - 2) - 3 inch; Mostly branched (unbranched)
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Good vigor, healthy, but rather small.

Illustrations:

Tree photographed Neg. No. 47899.

Fruit painted several Fruit modeled

Fruit described several

Disease notes by J. W. Roberts:

Variety Apple Orchard
Arlington Farm

4155

Variety: Lowland Raspberry
(Lowland Raspberry)

Orchard location - C:17-18:4
acc. No. 3033 (Pam. No. 24482)

Orchard location - D:11-12:4
acc. No. 3096 (Pam. No. 24569)

Orchard location - D:17-18:1
acc. No. 3108 (Pam. No. 24573)

There is about the limit of comparison in this set-up. It seems doubtful if any one of the lots is, in fact, Lowland Raspberry; and from the accession records, none of them should be that variety. Just how they happened to be identified as Lowland Raspberry is not now clear although each one undoubtedly does have some of the characteristics of that apple. However the notes made in the various years on the specimens from Arlington rather regularly expressed a doubt as to the correct identification of the fruit; also questioned what Lowland Raspberry would be like grown at Arlington.

Probably the confusion stemmed from a lack of knowledge of the appearance of Howland Raspberry if grown at Arlington, insufficient information as to the detailed varietal characteristics of this apple and its range of variation grown under varying conditions, also a lack of information regarding the characteristics of other varieties similar in general type. So far as the accession ^{records} now show Howland Raspberry was not knowingly planted in the Arlington orchard; if it was actually there it was the result of planting misnamed stock. The fruit borne by the trees of lots above tested had some resemblance to Howland Raspberry, hence was tentatively so designated; with reservations, the latter being largely disregarded in later considerations.

As to the accession records:

charts filed under names applied when received

No. 3033 was received as scions from Harry W. Kope, Paint, Ohio, Apr. 5, 1902 under the name Switzer ^{No. 24492 from Haden}
No. 3096 was received as scions from Prof. L. R. Taft, ^{East} Lansing, Mich., Apr. 7, 1902 as Switzer
No. 3108 came as scions also from Prof. Taft, 4/7/02 under the name Victrola and Drink.

457

According to Beach in Apples of N. Y.
Switzer is a Russian apple imported
in 1870 by the U.S.D.A. medium in
size with a clear white skin, or
becoming yellowish, washed with bright-
pink which often deepens to crimson.
Flesh white, firm, fine-grained, juicy,
mild subacid, good. Season (at
Geneva?) last of Aug. to Oct.

Victrola and Drink (Apples of N. Y.) is
a large somewhat rough, dull green
or yellowish apple. Flesh very tender,
fine grain, sweet, good to eat in quality.
Season Oct. to Jan. or later.

Notes on the different lots listed
above are attached.

P.S.

As to the name Lowland Raspberry.
The department for many years
accepted and used the form Lowland
Raspberry, but a careful review of
the evidence in connection with
Hedrick's and previously Beach's
acceptance of the form Lowland
Raspberry convinced me that the
latter was correct by rule of
priority. HBS 9/1/42

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Loy

Orchard Location:

Section

D

Row

7-8

Tree

1

Arlington Accession No.

3072

Pam. No. 24537

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	9/23	102590	1927 -		
1923 -	9/27	104104	1928 -		
1924 -	10/1	105968	1929 -		
1924 -	10/28	105613	1930		
1924 -	10/11				
1925 -	9/25	106961	1931		

Blossom dates:

1924,

5/1, 90% buds open.

1925

4/14, 20%

"

"

4/15, full bloom.

1926

1927

Remarks:

Seeds from C. S. Scott, Links Grove, W. Va.
Apr. 7/02

No question was raised regarding identity -
probably it was correct, though doubtful if it
developed especially well at Arlington in 1924; good
Characterization: Size - below medium in 1924; good
size in 1925; roundish canic. Ground color
yellow practically covered with wash of dull
red with indistinct striping - sometimes red
wash is fairly bright with stripes more or less
distinct dots numerous especially about apex;
yellowish, submerged, quite conspicuous; a few
dots raised and areolar. Flesh yellowish, fine
grain, moderately juicy, mild subacid - noted
in 1924 as having a characteristic, rather
unpleasant flavor. Doubtful, however, if this
was a normal flavor. Reference made in 1925
to uniformity in size and regularity of form.
(over) (no 2d sheet)

3/1/26.

good healthy medium
size tree; upright, spreading;
Bark smooth. secondary
branches small, slender;
top rather open; spear twigs
long, rather characteristic
growth.

Paintings: several
Descriptions: several

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Lubsk Queen*

Orchard location: Section *B* Row *4* Tree *4*

Arlington Accession No. *1873*

Penn. No. 24291

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>7/10</i>	<i>101547</i>	1927 -	<i>7/11</i>	<i>109169</i>
1923 -	<i>7/10</i>	<i>103362</i>	1928 -		
1924 -	—	—	1929 -		
1925 -	<i>7/7</i>	<i>106468</i>	1930		
1926 -	—	—	1931		

Blossom dates: 1924 - *no bloom*
1925 - *4/14, 90% buds open*
1926 - *no bloom.*
1927 - *4/2, 20% buds open.*

Remarks: *Scions from N. Y. Agr. Sta 1902*
Revised scions as Lubsk Remette 3/4/02
from N. Y. Station

Characterization: *Notes of 1927*
Size below medium, roundish, regular
Ground color white, about 1/2 overspread with
delicate pinkish red; some specimens are
striped rather than washed with red. Sals numerous
appearing on red surface as white, submerged,
same slightly raised, yellowish. Flesh white,
fine grain, a little tough, mild and acid.
rather flat, hardly fair in quality. It has
a strikingly large, open, cylindrical
calyx tube. A thin delicate whitish bloom.
When well colored it is very attractive in
appearance, but little like to commend it.

Second sheet, Variety

Lubsk Queen

410

Storage notes:

11/7/28

Vigor of Tree: Exceptionally strong average (weak) Size:
Exceptionally large average (small).

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish—broad—flat ^(somewhat) spreading
Central leader: Partially retained disappeared.

Branching: well branched—fairly so—smooth
Main limbs: Very medium long short; Very (medium slender)
stout; Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping.

Twigs: Many medium (few) Medium (slender) stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many medium (few) Very medium (slender) stout;
1/2 - 1 - 2 - 3 inch; ^(same) Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

This is small, weak tree lacking dwarf vigor.

Illustrations:

Tree photographed Neg. No. 47904

Fruit painted *several*

Fruit modeled

Fruit described *See under Lubsk or Lubsk Reinette*

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Lucinda*

Orchard Location: Section *5* Row *25-26* Tree *3*

Arlington Accession No. *6364*

Pom. No. 40545. (entry followed by word "Restricted")

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	—	—	1927 -	<i>9/6</i>	<i>109348</i>
1923 -	<i>9/16</i>	<i>104041</i>	1928 -	<i>9/27</i>	<i>110434</i>
1924 -	<i>10/8</i>	<i>105706</i>	1929 -	<i>9/9</i>	<i>111144</i>
1925 -	<i>9/5</i>	<i>106742</i>	1930 -	<i>9/20</i>	<i>111538</i>
1926 -	<i>9/1</i>	<i>107871</i>	1931 -	—	—

Blossom dates: 1924 - *5/2, 90% buds open; 5/6, little past full*
scions new
11/3/08 from 1925 - *4/15, first bloom; 4/30, " " "*
private collection
W. N. Irwin, 1926 - *4/30, 90% buds open*
Exington 1927 - *4/30, first bloom; 4/25, 20% buds open; 5/1, full bloom.*

Remarks: *Growth very willowy - especially terminals.*
Leaf buds slow in starting compared with fruit
buds - similar in same respects to Rome Beauty.
Much of fruit is borne on long, slender,
willowy terminals. Bul. 56 gives origin in
Oregon

Characterization: *Size very large, regular, smooth*
except for ribbing. Shape apparently varies from
round to oblong. In 1924 noted as roundish conic,
sometimes slightly oblong (Partridge #8584 shows fruit
definitely oblong). In 1927 noted as distinctly oblong,
nearly truncate. Ground color yellowish or
greenish yellow with light overcloud of red and
light striping; sometimes with much overcloud.
Surface very grassy. Dots small, whitish.
Submerged, inconspicuous. Cavity medium,
rather abrupt; stem 3/4", moderately stout; basin
deep, broad, abrupt; sepals medium, reflexed;
eye usually open, large. Flesh sometimes
(over)

variable, with areas that are white, and others tinged yellow. This may be due to stage of maturity, since notes in different years usually are yellowish; fairly firm grain; tender, though breaking, fairly juicy; very mild subacid when fully ripe; not rich but fair to good in quality.

9/1/26 fruit seemed too immature for quality notes; probably picked too early.

10/8/26 Held as in prime eating condition - delicate, with mild characteristic flavor - fairly good.

7/8/27 Slightly subacid, pleasant fairly good, but not rich.

Second sheet, Variety

Lucinda

462

Storage notes:

9/14/28

Vigor of Tree: Exceptionally strong average weak. Size:
" *good* Exceptionally large (average) small.

Foliage: Very (abundant) normal scanty. Leaves: Very (large)
medium small; Color: Light (dark) normal. *clean*.

Habit of Growth: Very (upright) roundish broad flat (spreading)
Central leader: Partially retained (disappeared)

Secondary branches and twigs willowy and drooping

Branching:

Main limbs: Very medium long short; Very (medium) slender
(stout) Medium straight crooked. *Smooth*

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping.

Twigs: Many medium few; Medium (slender) stout; Long medium
short; Straight branched twiggy; Medium open
dense; (Willowy)

Spurs: Very many (medium few) Very medium slender (stout);
1/2 - (1 - 2) - 3 inch; Mostly branched unbranched;

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none *also spurs.*

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

striking feature is the long slender bare space at basal ends of smaller branches and twigs -

Illustrations:

Tree photographed Neg. No. 49037

Fruit painted *Several*

Fruit modeled

Fruit described

#8584-11357

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Lyman Prolific (Crab)*

Orchard location: Section *D* Row *23* - *(24)** Tree *4*

Arlington Accession No. *3374*
Penn No. 24599

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	—	—	1927 -	<i>9/8</i>	<i>109382</i>
1923 -	—	—	1928 -		
1924 -	<i>9/13</i>	<i>105380</i>	1929 -		
1925 -	<i>8/26</i>	<i>106657</i>	1930		
1926 -	<i>9/9</i>	<i>107914</i>	1931		

Blossom dates: 1924 - *4/28, first bloom; 4/29, full bloom*
1925 - *4/14, past full; 4/18, petals practically all off*
1926 - *4/30, " "*
1927 - *7/12, 20% buds open.*

Remarks: * *The 2 trees were unlike. #24 produced a small yellow-run - described as all of no account. The data here recorded are in fruit from #23, which it is assumed was Cornell's named stock from A. J. Phillips, West Salem, Wis. in 1902.*

Characterization: *Size - rather large for a crab averaging larger than transcendent but smaller; cylindrical, sometimes elongated; smooth except robbing. Ground color yellow, nearly covered with a wash of bright red and indistinct stripes; heavy overcoat of bluish bloom. Stem about 1"; fairly stout; dots yellowish, moderately numerous, inconspicuous. Flesh yellowish, setine, lime, fairly juicy; tannin very pronounced (astringency). 1926. Besides the astringency, there is a bitter note this year.*

1926. An exceedingly pretty crab; larger than most crab varieties (no 2 & sheet) (over)

Painting # 106657

Description: None

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Magg (Magg's seedling)*

Orchard location: Section *F* Row *16* Tree *1*

Arlington Accession No. *4370*
S.D.S. 6749. Pair. No. 28465.

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/25</i>	<i>102617</i>	1927 -		
1923 -	<i>10/4</i>	<i>104172</i>	1928 -		
1924 -	<i>10/4</i>	<i>105625</i>	1929 -		
1925 -	<i>9/25</i>	<i>106963</i>	1930		
1926 -	—	—	1931		

Blossom dates: 1924 *4/28, first bloom; 5/2, full bloom.*
1925 *4/4, 75% buds open; 4/20 will be full.*
1926

1927

Remarks: *Scions received 7/27/03*

S.D.S. inventory note: From Emerald Victoria. Received through C.A. Nobeling, June 17, 1901. Original stock propagated on California flats under Pair. No. 21728. Transplanted to propagator from these nursery trees from scions received as Pair. No. 28465. Notes - Oct. 2, 1925.

Characterization:

Size medium or below. oblate; regular. Ground color yellow. Overlaid with ripened red streaks and speckles; shade red rather bright in highly colored fruits but rather dull in many cases. seeds numerous, very minute, inconspicuous. Flesh yellowish, fine grain, tender, quite juicy, most too acid to be pleasant for eating fresh; otherwise fair but not of any distinctive value here. (no 2d sheet)
(over)

Painting: None
Description: None

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Magnet* (See under Remarks)

Orchard location: Section *E* Row *19-20* Tree *2*

Arlington Accession No. *4305*

Pom. No. 28376

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/1</i>	<i>102485</i>	1927 -		
1923 -	<i>9/8</i>	<i>103900</i>	1928 -		
1924 -	<i>9/13</i>	<i>105383</i>	1929 -		
1925 -	<i>8/21</i>	<i>106659</i>	1930		
1926 -	<i>9/17</i>	<i>108326</i>	1931		

Blossom dates: 1924 - *5/1, 50% buds open; 5/6, 80% buds open - bloom light.*
1925 - *4/14, 50% " " ; 7/18, past full*
1926 - *4/30, 25% " "*
1927 -

Remarks: The fruit specimens in the several years were received under the name *Magnet* - which evidently was in error, since the accession record gives the variety clearly as *Magnet*. Scans from *Prof. Buckman, Farmington, Ill. 3/4/03*. [Our entry "28376" is *Magnet* as stated. #483]

Characterization:

Size medium, varying from slightly below to above; mostly small, sometimes medium. Caries mostly small, light ribbing; sometimes below a little unequal. Ground color yellow, nearly completely covered with a heavy wash of dark red; a light butterfly overgrowth sometimes, dots, faint, numerous, yellowish, sub-merged, not conspicuous. Flesh yellow, grain slightly coarse, tender, juicy, mild subacid, pleasant, fairly good, but a rather peculiar, characteristic flavor, rather flat. An apple of doubtful value, though very attractive when well developed. (over)

See discussion of Magnate
in *Pruning New Fruits in*
Dept. of Agr. Yearbook for 1906, p. 355.

Apparently Dr. Stegman used several
names for Magnate including Magnet.

The apple we had at Arlington
may have been in fact Magnate

2/22

Second sheet, Variety

Magnet
acc. no. 4305

1466

Storage notes:

12/25

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat (spreading)
Central leader: Partially retained (disappeared)

limbs crooked

Branching:

Main limbs: Very medium long short; Very (medium slender
stout) Medium straight crooked. Well branched.

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping.

Twigs: (Many) medium few; (Medium slender stout); Long medium
short; Straight branched twiggy; Medium open
dense; Willowy. Crooked and angular.

Spurs: Very many (medium) few; Very (medium slender stout);
1/2 - (1 - 2) - 3 inch; Mostly branched mostly unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

A good deal of coarse scaly bark on
main limbs.

Illustrations:

Tree photographed Neg. no. 49004

Fruit painted #26051(?)

Fruit modeled

Fruit described #8013-26051 (apparently same as Stoyman #1)

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Magog*

Orchard location: Section *B* Row *5* Tree *1*

Arlington Accession No. *1876*
Pom. No. 24294

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/28</i>	<i>102641</i>	1927 -		
1923 -	<i>9/23</i>	<i>104055</i>	1928 -		
1924 -	—	—	1929 -		
1925 -	<i>9/15</i>	<i>106794</i>	1930		
1926 -			1931		

Blossom dates: 1924 *4/29, 50% buds open; 5/1, few buds still - petals falling*
1925 *4/14, 20% " " ; 4/16, 90% buds open.*
1926
1927

Remarks: *From N. Y. Expt. station 1802.*
See Bech in Apples of N. Y.

Characterization: *Notes. Sept. 17, 1925*
Medium size, roundish conic, regular.
Ground color greenish, mostly without
color markings but a few specimens
show indistinct striping. (Bech indicates
more striping and speckling than developed
at Arlington). Stems numerous, mostly
minute, yellowish, whitish but some
varied and brownish in color. Flesh tinged
green, fine grain, firm at this date, subacid
with no distinctive flavor. Not sufficiently
ripened to develop full flavor. (No 2d sheet)
(over)

2/26 26. Tree medium size, upright,
good condition;

Painting: #29908
89809

Description: #29908

VARIETY APPLE ORCHARD
Arlington Farm

Variety

Mammoth Grimes Golden

Pomology No.

43608

(see note reverse side sheet #1 for yellow skin tree. No 7206)

Orchard location: Section

Row

Tree

7

5

Arlington Accession No.

7250

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	10/26	102878	1927 -	9/28	109571
1923 -	10/12	104231	1928 -	9/28	110539
1924 -	10/18	106032	1929 -		
1925 -	10/10	107141	1930 -		
1926 -	9/24	108327	1931		

Blossom dates:

1924 - 5/2, 75% buds open; 5/6, part full
1925 - 4/15, 90% " " ; 4/20, " "
1926 - 5/3, full bloom
1927 - 7/16, 20% buds open.
1928 - 4/26, 20% " " 5/2, full bloom.

Remarks:

Characterization:

various received 4/15/09 from Stark Bros. Many records give the variety as Main G. Golden. First word evidently being a misreading of Mammoth. Brief for Mammoth. This variety was variously compared with Yellow Skin and Winter Paradise but since the identity of these 2 varieties is uncertain, there seems to be no good reason for not letting this go as the Stark's Mammoth Grimes Golden until there is a better understanding as to what that variety really is.

(over)

Characterization: good size, oblate,
fairly regular, indistinctly ribbed; cavity
moderately deep, abrupt; stem $\frac{3}{4}$ " to 1", slender,
basin shallow, broad at base, abrupt,
apex long, recurved; eye open, large;
ground color rather deep yellow, sometimes
a little coppery blush on upperside;
dots variable, about apex very minute,
inconspicuous, on sides numerous, light
brown, medium size, slightly raised,
conspicuous; a good deal of very fine
inconspicuous leather cracking. - a
fairly attractive apple of its type.

Flesh yellowish, usually fine grain,
inclined to be tough, fairly juicy,
mild subacid - sometimes with
a peculiar rather unpleasant flavor,
usually looks rich, flat. only
fair. $\frac{10}{8/27}$

$\frac{10}{6/26}$ fairly tender, crisp, sprightly
subacid, fairly rich, pretty good +
not as good as Wines Golden.

$\frac{8}{24/27}$ mild subacid, flat, past
prime. best flavor.

$\frac{11}{23/28}$ mild subacid, unpleasant
flavor, only fair - or poor.

Second sheet, Variety

Mammoth Grimes Golden

Storage notes: Crop 1926,

(acc. No. 7250)

In office refrigerator

since Jan. 31/27. Exam. 7/24/27. Considerable shriveling, otherwise kept well; flesh under fairly juicy, mild subacid, flat, best for use.

Crop 1928 stored 10/2; out 11/15. Exam. 11/22/28 - No special comment - fruit firm, moderately juicy mild subacid - rust above fair in quality.

(Below)

Vigor of Tree: Exceptionally strong average weak. Size: Exceptionally large average small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal. *Mostly off*

Habit of Growth: Very (upright roundish) broad flat spreading. Central leader: Partially retained (disappeared).

Branching:

Main limbs: Very (medium) long short; Very (medium) slender stout; Medium (straight) crooked.

Secondary limbs: Numerous (medium) few: (Medium) slender stout; Drooping.

Twigs: Many medium (few) (Medium) slender stout; Long (medium) short; (Straight) branched twiggy; Medium (open) dense; Willowy.

Spurs: Very many (medium) few; Very (medium) slender stout;

(1/2 - 1 - 2 - 3 inch) Mostly branched (unbranched)

Spur twigs: (Few) medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium (slender open) dense stocky grower; Top (round) much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted None

Fruit modeled

Fruit described None

Disease notes by J. W. Roberts:

11/15/28

A poor type of tree. Has a great number of burr knots.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Mann*

Orchard location: Section *B* Row *5-6* Tree *4*

Arlington Accession No. *1879*
Pom. No. 24297

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	—	—	:	1927 -		
1923 -	<i>10/20</i>	<i>104276</i>	:	1928 -		
1924 -	<i>11/4</i>	<i>105952</i>	:	1929 -		
1925 -	—	—	:	1930		
1926 -	—	—	:	1931		

Blossom dates: 1924 *5/1, full bloom - very light*
1925 *4/14, 90% buds open.*
1926
1927

Remarks: *Practically no observations recorded. Picking dates only for 2 years above given. Scions from N.Y. Agr. Sta. 1902. In 1923 it was considered definitely as not Mann (Possibly specimens submitted were not that variety.)*
Characterization: *The note for 1924 stated - "apparently Mann OK. Fair specimens of the variety". No other comment or observation recorded.*
2/27/26. Tree large, strong, upright, spreading. Many secondary limbs. Bark smooth on trunk and limbs. (over) (no 2d sheet)

Paintings: several
Descriptions: several

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Mannis Choice* - see statement under source - reverse side this sheet.
Pomology No. 43137 same details on one sheet - both are not on other, hence both are filed
Orchard location: Section *J* Row 21-22 Tree 5
Arlington Accession No. 7179

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -			:	1927 -		
1923 -			:	1928 -		
1924 -			:	1929 -	8/23	111118
1925 -			:	1930 -	9/18	111662
1926 -			:	1931 -	9/16	112304

Blossom dates: 1924 -

1925 -

1926 - 5/11, 75% buds open,

1927 - 4/16, first bloom.

Remarks:

1928 - 4/26, 20% buds open; 5/1, 50% buds open
(1928 - applies to Tree Row 21; 22 was back-ward in both dates)

Specimens received 3/22/09 - see over
Acc. No. record merely indicates "apple". Name *Mannis Choice* likely was obtained from the Pom. Jour. entry under No. 43137. Specimens were submitted each of the 3 years under name *Rabun*. How, when or by whom so identified is unknown.
Acc. Nos. 6294 + 7175, supposedly both *Rabun*, but identity not certain, were both determined to be - apparently the same thing - (as the records indicate they should be)
(over)

were regarded as unlike the present
No. (acc. No. 7179) but at one
this was considered to be Rabun
and the other 2 something
else. It seems probable that
this No. 7179 is Mann's Choice
(whatever that may be) regardless
of any association of it with
Rabun.

Characterization. Good size, well
finished, well colored. Flesh
grain, fairly good body, mild
Merely another good apple but with
no special merit apparent for the
region. 1930. Picked 9/8. Held at room
temp. till 9/26. Fruit developed a
decidedly grassy feel during this
period.

Source.

Penn. No. 43137 records ^{apples} ~~the~~
received for exam. from S. A. Carpenter
Mann's Choice, Bedford Co. Pa. The variety
traces to farm of Mrs. Sarah Boar, Chomel
Ind. The entry records no variety name
I presume may be that somewhere along
line the P.O. name "Mann's Choice" was taken

Second sheet, Variety

Mammis Choice

472

Storage notes:

acc. No. 7179 (J:21-22:5)

11/9/28

Vigor of Tree: Exceptionally (strong) average weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal. *75% off*

Habit of Growth: Very (upright roundish) broad flat spreading.
Central leader: Partially retained (disappeared.)

Branching:

Main limbs: Very (medium) long short; Very (medium slender)
stout; Medium (straight) crooked.

Secondary limbs: Numerous (medium) few: Medium (slender) stout;
Drooping.

Twigs: Many (medium (few) Medium (slender) stout; Long (medium)
short; (Straight) branched twiggy; Medium (open)
dense; Willowy.

Spurs: Very many medium (few) Very (medium) slender stout;
1/2 - (1 - 2) - 3 inch; Mostly branched unbranched;

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium (slender open) dense stocky
grower; Top (round) much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted *None*

Fruit modeled

Fruit described *None*

Disease notes by J. W. Roberts:

*Bearing surface
appears mostly absent unless it is a terminal
bearer. No spur twigs to speak of. Bark on
main limbs is very characteristic -
clean, light colored, and many longi-
tudinal check marks in cuticle.*

VARIETY APPLE ORCHARD

Arlington Farm

473

Variety: *Morris Choice* (see attached sheets on same variety)

Pomology No. 43137

Orchard location: Section *J* Row 21-22 Tree 5

Arlington Accession No. 7179

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	9/8	102541	:	1927 -	9/19	104448
1923 -	9/15	104007	:	1928 -		
1924 -	9/7	105265	:	1929 -		
1925 -	8/23	106862	:	1930 -		
1926 -	5/9/27 11/4	107923 108352	:	1931 -		

Blossom dates: 1924 -

1925 -

1926 - 5/11, 75% buds open

1927 - 4/16, first bloom

1928 - 4/26, 20% buds open; 7/1, 50% buds open.

Remarks:

From the first (1922) specimens were submitted labeled *Rabun*. When or by whom so identified is uncertain. Arc. record gives no variety name but the Pom. Jour. entry under No. 43137 gives *Morris Choice* as the name. Scans received 3/22/09. Accuracy of name *Rabun* was questioned several times.

Characterizations:

Size large, irregular, more or less ribbed, sides sometimes unequal, slightly oblate, concave. Ground color yellow, nearly covered with bright red but sometimes getting as dark as a fair highly colored Arkansas Black; some indistinct striping; a whitish bloom. Cavity narrow, shallow, suggesting Rembrandt of Thompsons King in this detail; sometimes the set of about the cavity; stem short; basin medium in width and depth; dots variable in number, small, some submerged, whitish or yellowish, inconspicuous. Flesh tinged yellow, fairly fine grain, breaking, considerable (over)

body, fairly juicy, mild subacid,
pleasant, probably fairly good in
quality though considerable difference
was noted in different years. In 1922
it was considered good to very good;
in 1924, poor quality and "nogood";
in 1925, "flat and not much to it";
in 1926 "richer and better quality
than many sorts" but unattractive
in appearance because of irregular
form. In 1926 suggested as nearly
sweet when fully mature - which it
was not 9/15/26.

Second sheet, Variety

Mannis Choice

47

Storage notes: 1926 Crop. Out of storage 1/25/27.

Wane 1/28/27. In good condition, no shriveling. Perhaps a little past prime but still in ^{fairly} good condition. Flesh under mild subacid, pleasant, fairly good.

"If this really is Robur [which apparently it was not] it is a better apple at this date than has been suggested by previously recorded examinations of earlier dates."

Vigor of Tree: Exceptionally (strong) average weak. Size: Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal. 5/20/27.

Habit of Growth: Very (upright roundish) broad flat spreading. Central leader: Partially retained (disappeared).

Branching:

Main limbs: Very (medium) long short; Very (medium slender) stout; Medium (straight) crooked.

Secondary limbs: Numerous (medium) few; Medium (slender) stout; Drooping.

Twigs: Many medium (few) Medium (slender) stout; Long (medium) short; (Straight) branched twiggy; Medium (open) dense; Willowy.

Spurs: Very many medium (few) Very (medium) slender stout; 1/2 - (1 - 2) - 3 inch; Mostly branched unbranched;

Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium (slender open) dense stocky grower; Top (round) much broader narrower than tall.

see below

Illustrations:

Tree photographed

Fruit painted *none*

Fruit modeled

Fruit described *None*

Disease notes by J. W. Roberts:

Very few spurs and no spur twigs to 3 ft. of top. May be a terminal branch. Bark on the main limbs is characteristic - clear, light colored, and many longitudinal check marks in outside bark.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Martha (Crab)*

Orchard location: Section *7* Row *25-26* Tree *1*

Arlington Accession No. *4716* { See Acc. No. 4950
Pom. No. apparently not made { *13-411, also Martha* }

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	—	—	1927 -	<i>8/4</i>	<i>109237</i>
1923 -	<i>8/14</i>	<i>103429</i>	1928 -	—	—
1924 -	—	—	1929 -	—	—
1925 -	—	—	1930	—	—
1926 -	<i>8/12</i>	<i>107703</i>	1931	—	—

Blossom dates: 1924 - *4/28, 20% buds open; 7/6, winter fruit full, but still buds*
1925 - *7/14, 50% " " 7/20, petals mostly off*
1926 - *4/30, 90% " "*
1927 - *7/12, first bloom.*

Remarks: *Stock received 3/15/03 from Phoenix Nursery Co., Bloomington, Ill. - as was also Acc. No. 4950 on 7/1/05.*

Characterization: *Aug. 10, 1927, fairly good size for a crab, ground color yellow, with a little red over, streak about base on upper side, but not nearly as much color developed as is shown in the painting, on file. Picking in 1927 seems to have been well timed so far as maturity is concerned. Seems to be a pretty good crab for this section.*
8/14/26 It was noted: Good size for a crab; oval; yellowish ground color with a little red bluish, quite acid; very astringent.

Second sheet, Variety

Martia (Cub)

476

Storage notes:

acc. No. 4716 (7: 25-26: 1)

2/6/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat (spreading)
Central leader: (Partially retained) disappeared.

Branching: *Moderately well branched*
Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked.

Secondary limbs: Numerous medium few; Medium (slender) stout;
Drooping.

Twigs: (Many) medium few; Medium (slender) stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very (many) medium few; Very medium slender stout;
 $1/2 - (1 - 2) - 3$ inch; (Mostly branched unbranched)
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Very "twiggy" - many small twigs and spurs.

Illustrations:

Tree photographed

Fruit painted [#]22609-101175-
and others Fruit modeled

Fruit described [#]22609

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Martha (Crab)*

Orchard location: Section *E* Row *3-4* Tree *1*

Arlington Accession No. *4950* (*See acc. No. 4716*
Pom. No. apparently not recorded. 7:25-26.1, also Martha)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -			1927 -	<i>7/28</i>	<i>109236</i>
1923 -			1928 -	<i>8/4</i>	<i>109236</i>
1924 -			1929 -		
1925 -			1930		
1926 -	<i>8/12</i>	<i>107704</i>	1931		

Blossom dates: 1924 - *4/28, 40% buds open; 7/1 full bloom*
1925 - *4/14, Full bloom.*
1926 - *4/30, 75% buds open*
1927 - *4/12, first bloom.*

Remarks: *2 trees were received 4/10/05 from Phoenix Nursery Co., Bloomington Ill. acc. No. 4716 - also from same source 3/15/03.*

Characterization:

No notes on characteristics of the fruit were recorded. There was some question as to identity of earliest picked lot in 1927 because of lack of color, mainly, and apparently the doubt disappeared when the 2nd lot was examined.

Second sheet, Variety

Martha (Crob)

478

Storage notes:

acc. No. 4950 (E: 3-4:1)

1/26/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) (roundish) broad flat (spreading)
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very (medium slender)
(willow-like) stout; Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping.

Twigs: (Many) medium few; Medium slender stout; Long medium
(short); Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very (many) medium few; Very (medium slender stout);
1/2 - (1 - 2 - 3 inch); Mostly (branched) unbranched;

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall,

Illustrations:

Tree photographed

Reg. No. 47980

Fruit painted

#22609-104175
and others

Fruit modeled

Fruit described

#22609

Disease notes by J. W. Roberts:

Numerous small, much branched
spurs are conspicuous. Rough scaly
bark on trunk and lower parts of
main limbs appears to be old cankers
of same sort, partly healed. (over)

Photos of roots!

neg nos.

44726 E 1:1:3

44727 E 1:2:3

44732 E 1:3:2

44676 — — — —

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Martin*

Pomology No. *24487*

Orchard location: Section *6*

Row *7-10*

Tree *5*

Arlington Accession No. *3010*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>9/30</i>	<i>102758</i>	:	1927 -	<i>9/26</i>	<i>109523</i>
1923 -	<i>10/20</i>	<i>104293</i>	:	1928 -	<i>10/10</i>	<i>110681</i>
1924 -	<i>10/11</i>	<i>105614</i>	:	1929 -	—	—
1925 -	<i>10/7</i>	<i>107008</i>	:	1930 -	—	—
1926 -	<i>10/13</i>	<i>108486</i>	:	1931 -	—	—

Blossom dates: 1924 - *5/1, full bloom - bloom very light.*
1925 - *4/14, 80% buds open; 4/18, past full bloom*
1926 - *4/29, full bloom.*
1927 -

Remarks: *Several references in notes to resemblance to Kinnard but in 1926 such resemblance was discounted - except with respect to very general appearance. Scion from J. H. Moorhead, Findale Ohio, 1902*

Characterization: *Size - Medium or above, oboate, ribbed, sometimes can't reach. Ground color yellow, nearly completely covered with dark blood red wash - indistinct stripes, especially on shaded side. Surface commonly fairly well covered with fine rather cracking. Vents conspicuously flat, yellowish, sometimes fairly conspicuous. Cavities moderately deep, broad, ribbed. Stem 1/2", medium thickness; basin rather shallow, broad; sepals long, covering; eye medium size, closed, flesh yellowish - more so than most apples, fine grain, (over,*

savory, considerable body, breaking but
not moderately tender, not very juicy,
(little looking) very mild subacid,
at its best fairly rich good. In 1926
Dr. Caldwell commented on its high
quality. At full maturity it is nearly
sweet. A little immature, as it was
10/16/24 there wasn't much taste to it; same
10/23/26 but when fully ripe it was
apparently a fairly good apple,
and very attractively colored,
see storage notes.

Martin

1150

Storage notes: 1927 Crop. Out of storage 1/5/28
Exam 1/9/28. Good condition; still pretty firm.
- Fairly juicy, tender but has considerable body,
very mild subacid, rich with somewhat
characteristic flavor, pleasant, good to very good.
1928 Crop. Stored 1/8; out of storage 3/4/28. Exam 1/9/28.
Excellent condition but appreciable shriveling
during 5 days at room temp. As above - fairly rich,
good. In mildness of flavor and in some (over)

Vigor of Tree: Exceptionally (strong) average weak. Size:
Exceptionally (large) average small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) (roundish) broad flat spreading.
Central leader: (Partially) retained (disappeared)

1/7/28

Branching:

Main limbs: Very medium long short; Very medium slender
(stout) Medium straight crooked.

Secondary limbs: (Numerous) medium few: Medium slender stout;
Drooping.

Twigs: (Many) medium few; (Medium slender stout); Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium) few; Very (medium slender stout)
(1/2 - 1 - 2) - 3 inch; (Mostly branched unbranched)
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed Neg. No. 47972

Fruit painted Several Fruit modeled

Fruit described None

Disease notes by J. W. Roberts:

Larger limbs have much scaly old
bark - May be only natural shedding
of outer bark but looks as if it
might have been a superficial
infection of something that did
not persist.

other respects, Clavis and Delicous
have points somewhat in
common with Martin.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Massena Orange*

Pomology No. *Massena Orange*

Orchard location: Section *E* Row *9-10* Tree *1*

Arlington Accession No. *4204*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	—	—	:	1927 -	—	—
1923 -	<i>10/18</i>	<i>104192</i>	:	1928 -	—	—
1924 -	<i>11/10</i> <i>10/14</i> <i>10/14</i>	<i>105698</i>	:	1929 -	—	—
1925 -	<i>9/23</i>	<i>106857</i>	:	1930 -	—	—
1926 -	—	—	:	1931 -	—	—

Blossom dates: 1924 - *4/28, first bloom; 5/1, 50% buds open; 5/6, petals dropping*
 1925 - *4/14, 25% buds open; 4/15, 90% buds open*
 1926 - *4/30, 25% " "*
 1927 -

Remarks: *Scum from Kansas Agr. Coll. Manhattan*
Ms. 7/14/03

Characterization: *Good size, oblong conic, irregularly ribbed, in form somewhat suggesting yellow bellflower, (1925 note says roundish conic); the peculiar form appears shown in illustration on file was noted in 1925 but in a reduced degree compared with the illustration. Ground color yellow when fully mature, but many specimens were apparently immature when examined as color was brownish greenish in some cases, with bronze bluish, sometimes buttermilk overspread. Fully mature, there is sometimes a light pink overspread (over)*

about the base, with a grayish
overcast making an unattractive appearance.
oots numerous, whitish, submerged, mostly
inconspicuous. Sometimes russet patches
- which may be spray injury. Flesh yellow-
ish, with tinge of green till full ripe,
fairly fine grain, fairly tender, pink
pink, mild to slightly subacid-
depending probably on maturity; fairly
rich, pretty good. In season 1924
9/30/25. it was noted as fairly good but
with an immature flavor even though
the fruit is soft and apparently eating
ripe. This probably was in fact
the softening of a prematurely picked
apple since in 1925 picking
was 2 to 3 weeks earlier than in
other years.

Second sheet, Variety

Masan Orange

1182

Storage notes:

Vigor of Tree: Exceptionally strong ^(Below) average weak. Size:
Exceptionally large average (small.)

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish broad flat ^(somewhat) spreading
Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very medium long short; Very (medium slender
stout) Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping.

Twigs: Many (medium) few; Medium slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium) few; Very (medium slender) stout;
1/2 - 1 - 2 - 3 inch; Mostly branched unbranched;

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations: *located along roadway where all the trees are*
abysmally poor, due probably to
Tree photographed *location.*
Neg. no. 47486

Fruit painted #22663-95308 Fruit modeled

Fruit described #22663

Disease notes by J. W. Roberts:

100

1940

1940

VARIETY APPLE ORCHARD
Arlington Farm

483

Variety: *May Queen*

Pomology No. 40817

Orchard location: Section *J* Row *1-2* Tree *2*

Arlington Accession No. *6592*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>9/6</i>	<i>102506</i>	:	1927 -	<i>9/13</i>	<i>109404</i>
1923 -	<i>9/19</i>	<i>104012</i>	:	1928 -	<i>8/22</i>	<i>110345</i>
1924 -	<i>9/13</i>	<i>105403</i>	:	1929 -	<i>8/26</i>	<i>111115</i>
1925 -	—	—	:	1930 -	<i>8/14</i>	<i>111517</i>
1926 -	<i>8/27</i>	<i>107872</i>	:	1931 -	<i>8/25</i>	<i>112288</i>

Blossom dates: 1924 - *5/2, 75% buds open; 5/6, 90% buds open*

scious round 1925 - *4/15, first bloom; 4/20, 50% " "*

4/1/08 from 1926 - *4/30, center buds open.*

H.C. B. Chalk 1927 - *7/26, buds just show red. 7/11, 20% " "*

Musicals. *Mont.* Remarks: In 1925 it was noted that petals were red on under side (or outside).

Characterization: Good size as rule but variable; in 1927 decidedly variable in form, some slightly oblate slightly conic; others elongated, slightly conic; some regular, others ribbed especially the elongated forms. In 1928 mention is made only of oblate-conic form. Ground color yellow or golden yellow, fully well covered with splashes and broken stripes of dull red which sometimes merge into a solid wash of red; some whitish bloom; sometimes buttermilk overcoat. Tints variable, scattered, yellowish or brownish, rather inconspicuous on red surface, more conspicuous on yellow. Finish rather dull and unattractive though some resemblance to Hubbardston in some of its color markings was repeatedly mentioned. Core shallow rather narrow, heavily russet extending to sides of fruit; stem $\frac{1}{4}$ " to $\frac{1}{2}$ " clubbed; basin medium; sepals rather short, in 1928 said to be reflexed, in 1929 covering; eyes large, open; sometimes a rather grossy (over)

dirty red. Flesh yellowish, rather coarse
grains, quite firm, considerable, body fairly
juicy, mellow or slightly subacid, depend-
ing apparently on maturity and hand-
ling. Flavor characteristic though not
unpleasant. Quality apparently variable
depending probably on maturity and
condition of fruit. In general probably
only fair but Sept. 25, 1923 it was
called rich, good to very good; 9/27/24,
rather poor; in 1928 - no apparent value

Second sheet, Variety

May Queen

Storage notes:

Vigor of Tree: Exceptionally strong ^(Below) average weak. Size:
Exceptionally large average (small).

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal ^{mostly off}

Habit of Growth: Very upright roundish (broad) flat (spreading)
Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very (medium) long short; Very (medium) slender
stout; Medium (straight) crooked.

Secondary limbs: Numerous (medium) few; (Medium) slender stout;
Drooping.

Twigs: Many (medium) few; (Medium) slender stout; Long (medium)
short; (Straight) branched twiggy; (Medium open
dense) Willowy.

Spurs: Very many (medium) few; Very medium slender (stout);
1/2 - (1 - 2 - 3 inch) Mostly (branched) unbranched;
Spur twigs: (Few) medium many; Terminal bearing mostly
(considerable?) slight none

General aspect of tree: (Medium slender open) dense stocky
grower; Top round much (broader) narrower (than tall).

Illustrations:

Tree photographed

Fruit painted [#]3774-109404 Fruit modeled

Fruit described [#]3774/

Disease notes by J. W. Roberts:

1900

VARIETY APPLE ORCHARD
Arlington Farm

1185

Variety: *McCord*

Orchard Location: Section *B* Row *25-26* Tree *4*

Arlington Accession No. *6365*
Pom. No. 40546

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/6</i>	<i>102496</i>	1927 -	<i>9/6</i>	<i>109384</i>
1923 -	<i>9/16</i>	<i>104027</i>	1928 -	<i>9/8</i>	<i>110407</i>
1924 -	<i>10/8</i>	<i>105707</i>	1929 -		
1925 -	—	—	1930		
1926 -	<i>9/7</i>	<i>107915</i>	1931		

Blossom dates: 1924- *5/2, 90% buds open; 5/6, past full*
 1925- *4/30, past full - one small cluster only*
 1926- *4/30, 75% buds open*
 1927- *4/20, first bloom; 4/25, 30% buds open; 5/1, 90% buds open.*

Remarks: *Scions received 3/13/08 from private collection of W. H. Swain, Eckington.*

Characterization: *Checks well with description #9582. Size large, usually oblate but in 1927 about half the fruits were roundish conic; sacroanth. ground color yellow, more or less washed with light red and indistinct stripes; in 1927 the latter colored specimens were about 1/2 overspread with bright red and same stripes. Dots moderately numerous, mostly whitish, submerged, inconspicuous, a few brownish, raised. Flesh yellowish when full ripe, moderately fine grain, tender, juicy, slightly acid at first fairly rich but in most seasons lacks richness, only fair in quality. In 1924 it was noted as fairly full, pretty good. That year it was picked nearly a month later (over)*

than the other years in which quality
was not as good as last year, and
more lacking in richness. Seems
likely that as a rule the fruit was
picked too early and never developed
full normal quality.

7/20/24 Prime calig. condition on a little part

7/16/26. too immature for flavor reading

7/2/26 Had at same temp. since 7/16.

Now quite juicy, subacid - rather
uprightly but no characteristic flavor
but suggests a washed out fruit.
Probably picked when too immature.

7/21/28 Cavity deep, abrupt; stem 7/8"
basin fairly deep, rather abrupt; sepal
long, slender, recurved; eye large,
flush yellowish, rather coarse, fairly
tender, quite juicy, mild subacid
quite pleasant except for a little
astringency. Rather lacking in richness
yet not flat. Probably good in fruit
"Chances are it would have been better
had it not been picked so soon."

Second sheet, Variety

The Cord

1/80

Storage notes:

Vigor of Tree: Exceptionally strong average weak. Size:
" *good* Exceptionally large ^{*above*} average small.

Foliage: Very (abundant) normal scanty. Leaves: Very large
(medium) small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat (spreading)
Central leader: (Partially retained) disappeared.

Branching:

Main limbs: Very medium long short; Very (medium slender)
stout; Medium straight crooked. *Clear*

Secondary limbs: Numerous medium few: Medium slender stout;

good, Drooping. 2nd & 3rd branches are long giving
wide spread to top.
Twigs: Many medium few; Medium slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy,

Spurs: Very (many) medium few; Very medium slender stout;

1/2 - (1 - 2 - 3 inch); Mostly branched unbranched;

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted #105707-110407

Fruit modeled

Fruit described #9582

Disease notes by J. W. Roberts:

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VARIETY APPLE ORCHARD
Arlington Farm

Variety: *McIntosh*

Orchard location: Section *J*

Row *7-8* Tree *1*

Arlington Accession No. *7227*

See also acc. Nos. 1874, 4304 and 6316.

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/6</i>	<i>102494</i>	1927 -	<i>9/13</i>	<i>109403</i>
1923 -	—	—	1928 -	<i>9/8</i>	<i>110365</i>
1924 -	<i>9/3</i>	<i>105411</i>	1929 -	—	—
1925 -	—	—	1930 -	<i>8/20</i>	<i>111536</i>
1926 -	—	—	1931 -	<i>8/25</i>	<i>112289</i>

Blossom dates: 1924 - *5/2, full bloom*
 1925 - *4/15, first " ; 4/20, past full.*
 1926 - *5/1, full " ; petals beginning to fall.*
 1927 - *4/16, 75% buds open.*
 1928 - *4/26, 10% " ; 5/1, 90% buds open.*

Remarks:

Source -
likely scions from Mass. exp. sta. mid 31/9 - Apparently
7 lots of scions of this variety - Pom. Nos. 46486-46492.

Characterization: *1927 notes - Sept. 15. Good size, probably*
as well developed as this variety is likely to get at
Arlington. - a little coarse, smooth, regular.
Ground color yellowish with a greenish
tinge at this time. Prtly well overspread with
bright red with indistinct stripings, the color
markings near. merge into a solid red. dots very
minute, whitish, numerous, inconspicuous.
a few small brown dots. Rather heavy bloom.
Flask slightly tinged yellow, fine grain, tender,
quite juicy, sprightly subacid - specimens
slightly immature 9/5. The characteristic McIntosh
flavor is somewhat developed but not (over)

delicate and pleasing - as when grown
in the North. However, it is probably
very good in quality.

Sept. 12, 1928. Corolla medium, base
medium; sepals rather small; corolla
eye closed. A rather heavy white tube.

9/26/31. Specimens about as good
as any of the variety we have seen
had from Arlington - excellent

Second sheet, Variety

The Lutea. Acc. No. 7227 48

Storage notes:

J. 78.1.

11/13/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal. *Mostly off.*

Habit of Growth: Very (upright roundish) broad flat spreading.
Central leader: (Partially retained) disappeared.

Branching:

Main limbs: Very medium (long) short; Very (medium) slender
stout; Medium straight crooked.

Secondary limbs: Numerous (medium) few: Medium (slender) stout;
Drooping.

Twigs: Many medium (few) Medium (slender) stout; Long (medium)
short; (Straight) branched twiggy; Medium (open)
dense; Willowy.

Spurs: Very many (medium) few; Very (medium) slender stout;
1/2 - (1 - 2 - 3 inch) Mostly branched (unbranched)
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: (Medium slender open) dense stocky
grower; Top round much broader narrower than tall.
A good, clean, symmetrical tree.

Illustrations:

Tree photographed

Fruit painted *several*

Fruit modeled

Fruit described *several*

Disease notes by J. W. Roberts:

3 lots designated
by (a), (b), and (c)
respectively.

Mr. Paul.
no answer

Blossom dates: 1924 $\left\{ \begin{array}{l} (b) \frac{3}{11}, 75\% \text{ buds open; } \frac{5}{6}, \text{ still buds but petals dropping.} \\ (c) \frac{5}{2}, \text{ full bloom.} \end{array} \right.$ $\left\{ \begin{array}{l} 107766 \\ 107767 \end{array} \right.$
 1925 $\left\{ \begin{array}{l} (b) \frac{4}{4}, 50\% \text{ buds open; } \frac{4}{5} \text{ past full.} \\ (c) \frac{4}{15}, \text{ few clusters full bloom} \end{array} \right.$
 1926 $\left\{ \begin{array}{l} (b) \frac{4}{30}, 75\% \text{ buds open.} \\ (c) \frac{4}{30}, 90\% \text{ " " - very abundant bloom.} \end{array} \right.$
 1927 $\left\{ \begin{array}{l} (c) \frac{4}{25}, 20\% \text{ to } 50\% \text{ buds open; } \frac{5}{1}, \text{ full bloom.} \end{array} \right.$

Remarks:
Acc. No. 1874 - Pam. No. 24292 - Secans from N. Y. Nelson 10/90
" " 4304 " " 25375 - " " Bang. Buckner
" " " " " " ~~Bang. del.~~ Ill.
" " " " " " Farming

Characterization: Notes on (b) acc. No. 4304
Sept. 1, 1925. Typical of variety in this section. Peculiar
 Medusa-like flavor rather highly developed. External
 color fairly well developed; juice but flesh a little
 tough; heavy bloom. If fruits remain long enough
 on tree, they would probably develop full typical color;
 woody fruits that drop prematurely are well colored.
Sept. 1, 1926. Fine grain, juicy, not noticeably tough as old
 for 1925, but still not quite typically tender.
Sept. 27, 1927. Exceptionally fine for Arlington Medusa-like.
 good size, smooth, regular, well colored with char-
 acteristic purplish cast and indistinct striping.
 dots yellowish; dots yellowish, numerous (over)

in some specimens but in others
so inarticulate as to be almost
locking. Fine grain, tender, juicy,
very mild subacid, aromatic - very
good. More of the characteristic feel
and texture than usual in Ohio
grown fruit of this variety.

(a) Acc. No. 1874.

Aug. 26, 1925. Specimens on trees
for most part not fully colored
but considerable dropping is
in progress. Drops are highly
colored; have very heavy bloom;
fairly characteristic flavor and
eating quality but not as rich
and crisp as when grown
in the North.

Second sheet, Variety

McIntosh Acc No. (C) 6316

Storage notes:

(C) 5:7-8:4.

9/20/28

Vigor of Tree: Exceptionally (strong) average weak. Size:
Exceptionally (large) average small.

Foliage: Very (abundant) normal scanty. Leaves: Very large
(medium) small; Color: Light dark (normal).

Habit of Growth: Very upright (roundish broad flat spreading)
Central leader: Partially retained ~~(mostly)~~ disappeared

Branching:

Main limbs: Very medium long short; Very medium slender
stout; Medium straight crooked. *Well branched*

Secondary limbs: Numerous medium few; Medium slender stout;
Drooping. *Excellent*

Twigs: Many (medium) few; (Medium slender) stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very (many) medium few; Very (medium slender) stout;
($\frac{1}{4}$ - $1\frac{1}{2}$ - 1) - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

see below

Illustrations:

Tree photographed Neg. Nos. 42675 (acc. No. 1874. 13:13:5)
47794 " " 6316. 5:7:4)

Fruit painted *Several*

Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts:

*an excellent symmetrical roundish
top with very large bearing surface;
open enough to admit light
everywhere throughout top.*

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Mc Kee (McLeis Mammoth)*

Orchard location: Section *#* Row *1-2* Tree *1*

Arlington Accession No. *6367* (*A Summer Rambo - Grosh*)
Pom. no. 40548 (*Western Beauty mix-up*)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/1</i>	<i>102484</i>	1927 -	—	—
1923 -	<i>10/9</i>	<i>104129</i>	1928 -	<i>8/22</i>	<i>110328</i>
1924 -	—	—	1929 -	—	—
1925 -	—	—	1930	—	—
1926 -	<i>9/7</i>	<i>107948</i>	1931	—	—

Blossom dates: 1924 - *4/28, 20% buds open; 5/2, full bloom*
1925 - *no bloom*
1926 - *4/30, 90% buds open - very like Summer Rambo*
1927 - *4/26, first bloom; 5/1, full bloom.*

Remarks: *acc. Record shows*
this was received as McLeis Mammoth (which had 31)
Apparently through misreading a record or label
fruit from Arlington was received in 1922 + 1923
labeled Mc Kee's Mammoth. In 1926 + 1928, it was
labeled Western Beauty with no explanation of, or
reference made to the change.

Characterization: *In 1926, under name Western Beauty, it was*
compared with Summer Rambo - very similar
to it in appearance, but not as high quality
as Summer Rambo. In 1928, still under
the name Western Beauty, it was characterized
as follows:
In general form considerably like Summer
Rambo, ground color greenish, with slight
yellow cast; considerable grayish overspread.
Occasionally a faint suggestion of striping.
(over)

a little ribbing, not common in
Summer Rambos. Scales rather numerous,
brownish, slightly areolate. Cavity
rather broad and deep; stem 1" or more,
medium stout. Basin medium broad
and deep. Calyx lobes rather large, converg-
ing; eye large, mostly closed.
Flesh lightly tinged yellow, fine grain,
juicy. Now (9/27/28) rather firm, hard,
subacid, pleasant. Would probably
be good, or better when thoroughly
ripe [apparently later than Summer
Rambo]. Many specimens show a
little Roman stemmings, apparently
2 or 3 weeks later than Summer
Rambo. While most specimens
are of a plate, similar to Summer
Rambo, some are nearly round,
slightly conic.

Second sheet, Variety

Mc Lee

1192

Storage notes:

1928 specimens held in refrigerator until Nov. 22. Were then considerably shriveled. One specimen of 5, decayed, fine grain, tender quite juicy. In its wilted condition it has lost most of its flavor.

Vigor of Tree: Exceptionally (strong) average weak. Size: Exceptionally (large) average small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat (spreading) Central leader: Partially retained (disappeared)

9/20/28

Branching:

Large, clean, strong

Main limbs: Very medium long short; Very medium slender (stout) Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout; Drooping. Well branched.

Twigs: Many (medium) few; Medium slender (stout); Long medium short; Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very (many) medium few; Very medium slender stout; (1/2 - 1 - 2) - 3 inch; Mostly branched (unbranched)

Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

General effect - that of a strong, finely developed tree

Illustrations:

Tree photographed

Fruit painted

Noise

Fruit modeled

Fruit described

Mc Lee Mammoth #13377 (Silvanus Gordon)

Disease notes by J. W. Roberts:

1928 growth, 10" to 12", more in some cases.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *W. Lellan*

Orchard Location: Section *C* Row *13-14* Tree *5*

Arlington Accession No. *3021*

Pam. No. 24475

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/28</i>	<i>102653</i>	1927 -	<i>9/26</i>	<i>101524</i>
1923 -	<i>9/15</i>	<i>104013</i>	1928 -		
1924 -	<i>9/15</i>	<i>105450</i>	1929 -		
1925 -	<i>9/25</i>	<i>106962</i>	1930		
1926 -	<i>9/9</i>	<i>107916</i>	1931		

Blossom dates: 1924 - *Very little bloom*
1925 - *4/14, 40% buds open; 4/18, full bloom*
1926 - *Very little bloom.*

1927 -

Remarks: *Scions from Bery. Buckner 4/5/02*

In 1924 doubt was expressed as to identity of the fruit, especially because of discrepancies between specimens and painting of Pam. No. 45390. but apparently such doubt disappeared in after years.

Characterization: *Size - medium to good; roundish conic - in same seasons slightly oblong conic, same fruits tending to be truncate; regular except indistinct ribbing. Ground color yellow, nearly overcast with bright red in better colored fruits; sometimes indistinctly striped. Spots variable, mostly minute, whitish or yellowish, inconspicuous, others as minute raised points. Cavity in 1924 was shallow and saucer-shaped, this being main discrepancy compared with painting No. 45390 but in 1927 cavity and basin were given as medium. Flesh slightly tinged yellow, fairly fine grain, fairly tender, slightly subacid but with no characteristic flavor - probably a good (over)*

cooking apple, - fairly rich, not flat
however, 9/15/26 while mostly immature
one fruit in prime eating condition
was tender, mild subacid, rather
sprightly, fairly rich, pleasant and
better in quality than many apples
of this season.

Second sheet, Variety

W.C. Lellam

494

Storage notes:

Crop 2 1927. out of storage 12/31/27

Exam 1/4/28. Considerable post storage durability. Some decay and physiologically broken down. One or 2 fruits in fairly good condition though very soft. Fairly fine gran, fairly juicy, mild subacid, fairly rich. When in prime condition it would probably be rather better than good.

1/7/28

Vigor of Tree: Exceptionally strong (average) weak. Size: Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish broad flat spreading. Central leader: Partially (retained) disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender stout; Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout; Drooping.

Twigs: (Many) medium few; Medium (slender) stout; Long medium short; Straight branched twiggy; Medium open dense; Willowy. *Extend parallel with limbs.*

Spurs: Very many medium (few) Very medium slender stout; Small. 1/2 - 1 - 2 - 3 inch; Mostly branched unbranched; Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

A stranger tree than Celestia (C: 15-16:4) but has much of the same peculiar habit of growth.

Illustrations:

Tree photographed Neg. No. 47971; also J. 10:3. Neg. No. 49675

Fruit painted none

Fruit modeled

Fruit described several

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

1195

Variety:

McMahon

Orchard location:

Section

G

Row

8

Tree

5

Arlington Accession No.

6317

See acc. No. 4887

E: 5-6: 2. also at McMahon

Pom. No. 40482

Date

Pomology :

Date

Pomology

Year -

Picked

Number :

Year -

Picked

Number

1922 -

—

—

:

1927 -

8/15

109276

1923 -

8/15

103423

:

1928 -

8/14

110262

1924 -

—

—

:

1929 -

1925 -

9/1

106689

:

1930

1926 -

—

—

:

1931

Blossom dates:

1924 - No bloom

1925 -

7/15, 40% buds open; 7/20, part fruit but still few buds.

1926 -

7/30, 25% " " - few clusters only

1928 -

7/25, buds show pink; 7/1, 25% buds open.

Remarks:

Scions received 3/10/08 from W. H. Brown from private collection in Lexington.

Scions also from N. Y. Station 3/10/02 - acc. no. 1875, Pom. no. 24273 but apparently no record of fruiting.

Characterization:

Size medium and above up to good size, smooth, regular, greenish to slightly yellowish green, sometimes slightly oblate conic. Ground color whitish with an occasional fruit showing a little blush; a whitish bloom. Dots numerous, whitish, minute, inconspicuous. A little russeting in cavity. Stem 1/2" rather stout. Flesh white or light very slightly tinged yellow, fine grain, firm, juicy, rather acid - too acid for eating - and hard but specimens mild and even early Sept. seem rather immature but apparently acidity rather sharp when full mature. Only fair quality. (over)

9/16/24 E. C. Powell brought some
this variety for identification. They w
rather immature. He reported it
excellent for cooking.

Second sheet, Variety

McC Mahan

486

Storage notes:

Acc. No. 6317 (5:8:5)

9/26/28

Vigor of Tree: Exceptionally strong average weak. Size:

" *good* Exceptionally large (average) small.

Foliage: Very (*abundant*) normal scanty. Leaves: Very (*large*)
medium small; Color: Light (*dark*) normal. *Clear*

Habit of Growth: Very (*upright*) (*roundish*) broad (*flat*) (*spreading*)
Central leader: Partially retained (*disappeared*).

Branching:

Main limbs: Very medium long short; Very (*medium slender*)
stout) Medium straight crooked. *Clear*

Secondary limbs: Numerous medium few; Medium slender stout;

" *Good* Drooping. *In some cases dip a little - not enough*

Twigs: (*Many medium*) few; Medium slender stout; Long medium *to call them*
short; Straight branched twiggy; Medium open *drooping*.
dense; Willowy.

Spurs: Very (*many*) medium few; Very medium slender stout;

(1/2 - 1 - 2) - 3 inch; Mostly branched (*unbranched*)

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

(Occur with back an older wood)

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

neg no. 50725

Fruit painted *Several*

Fruit modeled

Fruit described *#59-18500*

Disease notes by J. W. Roberts:

*Growth of 1928 (terminals), 10 or 12"
give a lot of inside shoots of
1928 that are 2-3' in length.*

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Mr. Mahon*

Orchard location: Section *E* Row *5-6* Tree *2*

Arlington Accession No. *4987* { *See acc. No. 6317*
5:8:5. also Mr. Mahon.

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>8/7</i>	<i>102234</i>	1927 -		
1923 -	—	—	1928 -		
1924 -	<i>8/29</i>	<i>105191</i>	1929 -		
1925 -	<i>8/6</i>	<i>106543</i>	1930		
1926 -	—	—	1931		

Blossom dates: 1924 *5/1, 50% buds open; 5/6, past full - very light*
1925 *4/14, 40% " " ; 4/18, 90% buds open.*
1926
1927

Remarks: *In 1924 only note was: "excellent specimens".*
acc and later to the farm in 1901

Characterization: *1925 notes. 8/10/25-*

Size medium, roundish-conic. Ground color greenish white. - most specimens from Arlington show no color but an occasional fruit has considerable blush; very heavy bloom; some buller milk overabundant. dots numerous, light colored, submerged inconspicuous. Heavy russeting in cavity. flesh white, fine grain, considerable body, a little tough, juicy, rather acid.
(over) (No 2 & sheet)

3/1/26, Tree small, rather spreading,
lower branches inclined to
droop. Branching normal,
twigs slender.

Paintings: Several

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Melou*

Pomology No. 24298

Orchard location: Section *B* Row *5-6* Tree *5*

Arlington Accession No. *1880*

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	<i>9/1</i>	<i>102479</i>	1927 -		
1923 -	<i>10/20</i>	<i>104290</i>	1928 -		
1924 -	—	—	1929 -		
1925 -	<i>10/1</i>	<i>106941</i>	1930 -		
1926 -	—	—	1931 -		

Blossom dates: 1924 - *no bloom*
1925 - *4/14, 25% buds open; 4/18, full bloom.*
1926 -
1927 -

Remarks: *Data fragmentary - Only notes are those for 1925.*
Scions from N.Y. Agr. Sta. 1902

Characterizations: *Size medium, roundish or slightly oblate, ground color light yellow, pretty well overspread with light red and indistinct splashing, spots numerous, very small, subangular, inconspicuous, flesh yellowish, fairly fine grain, tender, juicy, mild subacid, with characteristic flavor, pretty good.*
(over) (no 2nd sheet)

2/27/26

Tree small, unhealthy; much
canker (or blight) on trunk
and limbs; very poor work
tree - upright, normal
branching.

Painting: several
descriptions: several

VARIETY APPLE ORCHARD
Arlington Farm

49

Variety: Managers (should apparently be Managers)
Pomology No. 2846

Orchard location: Section 7 Row 5 Tree 4

Arlington Accession No. 4348
2846 No. 6759

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	9/30	102752	:	1927 -	9/15	109385
1923 -	10/4	104171	:	1928 -		
1924 -	10/4	—	:	1929 -		
1925 -	9/23	106558	:	1930 -		
1926 -	10/1	108328	:	1931 -		

Blossom dates: 1924 - 5/1, 90% buds open; 5/6, part full - bloom light.
1925 - 4/15, 75% " " ; 7/20, " "
1926 - 4/30, full bloom.
1927 -

Remarks: Scions received 9/12/01 by L. J. Fergusson & Son, Cammerley, New South Wales. Original stock propagated and grown on potatoes. 7 sets under Pen. No. 21730. Scions used for propagation at Arlington cut from nursery and recorded as Pen. No. 2846.

Characterization: Size generally good but smaller some seasons; roundish to slightly oblate - suggest some somewhat in form. Ground color rich golden yellow with numerous of attractive red and some stripes, making a very attractive apple with golden yellow showing through red in places; some bull's mouth, heavy on some fruits, whitish bloom. Buds variable - numerous ranging from minute and submerged, to a little (over)

larger and raised, brownish in color,
but color variable.

Flesh yellowish, fairly fine grained,
considerable body, fairly juicy,
tender, fairly rich, mild to slightly
acid, good to very good (1924).
In 1925 the flavor was somewhat
unpleasant with suggestion of
astringency. Fruit was picked too early
probably, since the later picked
fruit apparently was the best
in quality.

Second sheet, Variety *Menagerie*

Storage notes:

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat spreading.
Central leader: Partially retained (disappeared)

Branching: *well branched*
Main limbs: Very medium long short; Very (medium slender-
stout); Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout;
Drooping. *well distributed*

Twigs: Many (medium) few; Medium slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy. *well distributed*

Spurs: Very many (medium) few; Very (medium slender stout);
1/2 - (1 - 2) - 3 inch; Mostly branched (unbranched)
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Neg. No. 47973

Fruit painted *#106855*

Fruit modeled

Fruit described *None*

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Murcer* (crab)

Pomology No. 40549

Orchard location: Section *H* Row *1-2* Tree *2*

Arlington Accession No. *6368*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>8/14</i>	<i>102304</i>	:	1927 -	<i>9/12</i>	<i>107405</i>
1923 -	<i>8/20</i>	<i>103834</i>	:	1928 -	<i>8/22</i>	<i>110346</i>
1924 -	<i>9/7</i>	<i>105257</i>	:	1929 -		
1925 -	<i>9/3</i>	<i>106690</i>	:	1930 -		
1926 -	<i>9/7</i>	<i>107919</i>	:	1931 -		

Blossom dates: 1924 - *7/28, first bloom; 8/2, full bloom.*
Scions from private col. section of W. H. Irwin, Eckington
1925 - *4/15, 90% buds open; 4/20, part full bloom.*
1926 - *4/30, 75% " "*
1927 - *4/20, first bloom; 4/26, 5% buds open; 5/1, 90%*

Remarks: Apparently through a misreading of a label or two in the work, the specimens each year were believed as *Murcer*. However the Arlington Acc. record clearly states *Murcer* crab - which evidently is correct. In 1927, Prof. Hansen (see letter 7/25/27) identified it as *Murcer*.

Characterization: Rather large for a crab; oblate conic shape, regular; color pale yellow, dots numerous, small, whitish, submerged, inconspicuous. Flesh fine grained, very firm, juicy, "terrifically sour and very puckery" *9/15/27*.
In 1925 & 1926 mention was made of the very green, sticky "gel" of the fruit, and its very high stringiness. *9/25* and *9/26* reference was made to a brownish discoloration and breakdown (over)

of the flesh. Whether this was result
of over maturity is a question
difficult to tell when a thing of
this sort is picking up.
Flesh was considered more
stringent than a green persimmon.

Noted in 1926 that the seeds are
fairly large, locules relatively
simple, so that a cross-section
of a fruit shows the locules
packed solid full of seeds.

Painting: none

Description: none

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Milam*

Pomology No. 24299 (1881) ^(a)
B

Orchard location: Section *2* ^(b)

7 - 8 1
Row *7* - 10 Tree *1*

Arlington Accession No. 1881 ^(a)
6318 ^(b)

*Scions from Mr. Lowrie -
possibly from No. 40483 3/9/08*

Year -	Date Picked .	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	—	—	:	1927 -	<i>9/28</i> ^(b)	<i>109599</i>
1923 -	<i>9/23</i> ^(a)	—	:	1928 -	<i>9/28</i> ^(b)	<i>110591</i>
1924 -	—	—	:	1929 -	—	—
1925 -	<i>10/13</i> ^(a) *	<i>107009</i>	:	1930 -	—	—
1926 -	<i>10/11</i> ^(b)	<i>108487</i>	:	1931 -	—	—

Blossom dates: 1924 - *5/3* ^(a), full bloom, very light (10-11)
1928 ~~1925~~ ^(b) *4/25*, few buds show pink; *5/11*, 50% buds open
1926 ^(b) Bloom so light it was undisturbed as not blossoming
1925 ^(a) *4/14*, 20% buds open; *4/16*, 50% buds open
1927 - *4/13/25* is date

Remarks: * Picking date not given; *11/3/25* is date of examination. #1881 - Scions from N. Y. Apr 24 1902
6318 - Bloom -
1924, 5/2, 50% buds open; 7/6, full bloom - very light.
1925, 4/15, 25% " " ; 4/20, little past full.

Characterization: Based on ^(b) except as otherwise noted. Small, about *2 1/4*" in diameter; roundish conic. Ground color yellowish, *pretty well overspread with bright red and indistinct stripes.* Dots somewhat variable, fairly numerous especially about apex, sometimes slightly areole, sometimes more raised, not conspicuous. *Stem about 1/4".* *Base medium, rather abrupt; stem about 1/4".* *Tip usually clubbed; basin shallow, rather narrow.* *Leaves rather long, reflex; age sometimes open, some-times closed; flesh tinged green, fine grain, tender, juicy, much subacid, (over)*

acc No.

1851.

2/26/26.

Tree good size, healthy
upright, roundish; normal
branching; many small
twigs.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: Millbay (Millbay Favorite)

Pomology No. 40637

Orchard location: Section J

Row 17

Tree 4

Arlington Accession No. 6419

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922	9/16	102283	:	1927		
	9/23	102587	:			
1923	9/29	102745	:	1928		
	8/20	103836	:			
1924	11/12	104234	:	1929		
1925	1/4		:	1930		
1926	9/20	108329	:	1931		

Blossom dates: 1924 -

1925 -

see over 1926 -

for source 1927 - 4/16, first bloom.

Remarks: Notes too conflicting to be of much value in view of fact that there is little information available regarding variety - Millbay. For example No. 102587 it was noted as very large, red, acid. In cross section it suggests Fairbairn's King. For (Pom.) No. 104234 it was referred to as resembling Baldwin, though probably not that variety, rather in flavor than Baldwin and looked like Baldwin "Swamp". In 1924 and 1926 the small size of the apple was noted as characteristic.

Characterization: 1924 and 1926 notes.

In 1924 - Below medium, oblate, distinctly ribbed. Ground color greenish yellow (probably yellow when full ripe), with light overtones of red and some striping; in 1926 a light overtones (over)

of gray making an unattractive fruit.
Flesh greenish tinge, fine grain, tender,
mild subacid, rather flat. Not much
to it. The striking feature is the very
large core compared with size of
fruit.

In 1926, color was bright red
instead of dull; no gray overspread;
Flesh yellowish with no green
tinge. Large core confirmed.
Much better rot in 1926. Not
mentioned otherwise.

(No 2d sheet)

In 1923 Mr. Brunk mentioned
occurrence of much watercore
Paintings: none
Description: #9685 (Millbay (Hibbs Bay
Favorite) is described as sweet
sour.
Seeds of Pam. No. 40637 received 3/25/08 from
H. Wall collection of W. H. Brown in labeling
as Millbay Favorite - Rejected. This No.
traces to Pam. No. 11727 Millbays Favorite
Rejected. seeds from C. S. Seale,
Smiths Grove W. Va.

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Milwaukee

Pomology No. 24300

Orchard location: Section

13

Row

7-8

Tree 2

Arlington Accession No.

1882

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	8/30	102477	:	1927 -		
1923 -	9/24	105494	:	1928 -		
1924 -			:	1929 -		
1925 -	8/21	106660	:	1930 -		
1926 -	9/9	107917	:	1931 -		

Blossom dates:

1924 - 4/26, 25% buds open; 5/3, much past full - petals mostly off.
1925 - 4/14, 60% " " ; 4/16, past full - few clusters only.
1926 - 4/20, full bloom.
1927 -

Remarks:

Scions from N. Y. Agr. Sta. 1902

Characterization:

Size medium. varying both above and below, oblate. Color and markings somewhat suggestive of Oldenburg but in highly colored fruits the red is nearly a solid wash (with closely placed fine small bright red stripes. heavy / whitish bloom. Rich, finished and attractive. Bots numerous, minute, white, inconspicuous. Flesh yellowish (1924 given as white); quite juicy, brish-sourish - but not too sharp; no very (over)

distinctive flavor - a slight suggestion
of astringency; quite pleasant, fairly
good.

Better to eat by hand than Chesham
because of milder acidity

Second sheet, Variety

Willowankee

504

Storage notes:

1/6/28

Vigor of Tree: Exceptionally strong ^(below) ~~average~~ weak. Size: Exceptionally large ^(below) ~~average~~ small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very upright roundish broad flat spreading Central leader: Partially retained disappeared.

Branching:

well branched

Main limbs: Very medium long short; Very medium slender stout; Medium straight crooked. *Small*

Secondary limbs: Numerous medium few: Medium slender stout; Drooping.

Twigs: Many medium few; Medium slender stout; Long medium short; Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very many medium few; Very medium slender stout;

(variable 1/2 - 1 - 2 - 3 inch; mostly branched) unbranched;

Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

A rather poor tree. Trunk and lower (see below)

Illustrations:

Tree photographed

Reg. no. 47883

Fruit painted *Several*

Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts:

part of main limbs apparently have same sort of a canker infection though it may be old, but clearly a tendency.

VARIETY APPLE ORCHARD
Arlington Farm

501

Variety: *Missouri*

Pomology No. *54100* - (see over)

Orchard location: Section *J*

Row *11*

Tree *2*

Arlington Accession No. *5078*

{ See acc. No. 1883
B: 7-8: 3, also *Missouri* for
other picking dates

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>10/10</i>	<i>102790</i>	:	1927 -	<i>9/28</i>	<i>107600</i>
1923 -	<i>10/12</i>	<i>104233</i>	:	1928 -	<i>10/10</i>	<i>110651</i>
1924 -	<i>11/4</i>	<i>106004</i>	:	1929 -	<i>9/30</i>	<i>111265</i>
1925 -	—	—	:	1930 -	<i>10/18</i>	—
1926 -	—	—	:	1931 -	<i>10/6</i>	<i>112338</i>

Blossom dates: 1924 - — *5/2, 50% buds open; 5/6, 10% buds open.*
1925 - — *4/15, 25% " " ; 4/20, full bloom.*
1926 - *4/30, center buds open.*
1927 - *4/26, first bloom; 5/1, 50% buds open.*

Remarks:

Characterization: Medium size or below, mostly roundish to oblate, sometimes rounded conic, regular, sometimes compressed, sides frequently a little irregular, ground color yellowish, pretty well over-spiced with dark red, with more or less striping, indistinct in highly colored fruits, dots comparatively few, yellowish, minute, very inconspicuous.

Characterizations

Covely pink deep, abrupt, medium width, a little russet, stem $1/4$ " to $5/8$ ", mostly about $1/4$ ". Basin rather deep, abrupt, mostly smooth; sepals small to rather long, converging; eye medium size, closed; flesh tinged yellow, fine grain, firm, fairly juicy, slightly subacid (at full ripe), with pleasant characteristic flavor, $1/4$ " to $1/2$ " indications point to pretty good quality when full ripe. Flesh slightly distinct.

Jan 18/28. - front out of storage. quite
fine, looking in fine, well subacid,
locks richness, rather flat, not better
than fair.

Surface commonly has suggestion
of deeply etched suggestive in this
respect of Twenty. Source,

There is obviously a mistake in records
somewhere since Pom. No. 34100 and Acc.
No. 5078 clearly belong to trees of the
Spencer seedless sent by Wm. Schen,
Grand Junction, Colo.

Second sheet, Variety

Missouri (Acc. No. 5078) 504

Storage notes:

1927 Crop - Out of storage 11/4/28
Exam 11/28. Firmness good, but
badly scalded. Though fairly well colored
the surface of most fruit is nearly all
scalded. Flesh fairly fine grain, firm,
mild subacid, lacks juice and richness,
rather flat. Not above fair in quality.
1928 Crop. Stored 1/18. Out 11/8/29 Exam 11/29 (over)

Vigor of Tree: Exceptionally (strong) average weak. Size:
Exceptionally (large) average small.

Foliage: Very (abundant) normal scanty. Leaves: Very large
medium small; Color: Light dark normal. 50%

Habit of Growth: Very upright (roundish) broad flat spreading.
Central leader: Partially retained (disappeared).

Branching:

upright when young.
Main limbs: Very (medium) long short; Very (medium) slender
stout; Medium (straight) crooked.

Secondary limbs: (Numerous) medium few; (Medium) slender stout;
Drooping.

Twigs: Many (medium) few; (Medium) slender stout; Long (medium)
short; (Straight) branched twigs; (Medium open
dense) Willowy.

Spurs: Very many (medium) few; Very medium (slender) stout;

(1/2 - 1 - 2) - 3 inch; Mostly branched (unbranched)

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: (Medium slender open dense) stocky
grower; Top (round) much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted

Several

Fruit modeled

Fruit described

Several

Disease notes by J. W. Roberts:

In excellent condition (no reference
made to any cold). Flesh rather firm,
looking in juice and richness.
Mild subacid - Not better than fair.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Missouri*

Pomology No. *24301*

Orchard location: Section *B*

Arlington Accession No. *1883* (see acc. no. 5078 (3:11:2) also Missouri for main data)

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>9/30</i>	<i>102761</i>	:	1927 -		
1923 -	<i>9/28</i>	<i>104148</i>	:	1928 -		
1924 -	<i>10/21</i>	<i>105953</i>	:	1929 -		
1925 -	<i>10/5</i>	<i>106942</i>	:	1930 -		
1926 -	—	—	:	1931 -		

Blossom dates: 1924 - *4/29, 40% buds open; 1/3 little past full*
1925 - *7/14, 50% " " - few clusters only*
1926 -
1927 -

Remarks: *Scions from N. Y. Agr. Sta. 1902*

Characterization:
See acc. No. 5078 as noted above.

REPORT ON THE PROGRESS OF THE WORK DURING THE YEAR 1900

The following table shows the progress of the work during the year 1900, compared with the work of the previous year. The work has been carried out in accordance with the programme of work approved by the Committee at its meeting on 10th January 1900.

Item	1900	1901
1. General	100	100
2. Particulars	100	100
3. Summary	100	100
4. Conclusion	100	100
5. Appendix	100	100
6. Index	100	100
7. Total	100	100

The work has been carried out in accordance with the programme of work approved by the Committee at its meeting on 10th January 1900. The work has been carried out in accordance with the programme of work approved by the Committee at its meeting on 10th January 1900.

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VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Moore Extra*

Pomology No. 40550

Orchard location: Section *H*

Row *1-2*

Tree *3*

Arlington Accession No. *6369*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -			:	1927 -	<i>9/2</i>	<i>109525</i>
1923 -			:	1928 -	<i>—</i>	<i>—</i>
1924 -			:	1929 -	<i>9/30</i>	<i>111266</i>
1925 -			:	1930 -	<i>—</i>	<i>—</i>
1926 -			:	1931 -	<i>10/6</i>	<i>112339</i>

Blossom dates: 1924 - *4/28*, first bloom; *7/6*, little leaf full.
 1925 - *7/15*, 50% buds open; *7/20*, well " "
 1926 - *7/30*, 40% buds open
 1927 - *8/26*, 20% " " ; *9/1*, 80% buds open.

Remarks:

Scans removed 5-13-05 from private collection of W. H. Erwin, Lexington

Characterizations

1927 notes. Good size, roundish. Ground color now (7/27) greenish yellow, with all over spread with a thin wash of red with indistinct stripes. (Likely under same conditions I would be a solid red) The present rather faded out distinct red over spread with greenish dots make an unattractive looking fruit. Dots moderately numerous, variable from small about size to rather large on surface (sides), brownish, some fine, or not depending on surrounding surface shade. Cavities rather deep, medium width; basin rather deep, quite broad. (over)

sepal quite large, usually reflexed,
lvs rather large, firm. stem about
 $3/4$ " medium slender; rooting in
soil. Flesh yellowish, fairly fine
grain, rather crisp, breaking, juicy,
rather sprightly subacid, fish,
pleasant, probably very good when
in its prime; not yet fully mature.

7/25/27.

Second sheet, Variety

Moon Extra

Storage notes:

1927 Crop. Out of storage and examined 12/27. In excellent condition. Prime eating condition, very fine grain, tender, fairly good body, quite juicy, mild subacid, pleasant. While not especially rich, it is attractive in many respects, probably rating better than good.

Vigor of Tree: Exceptionally strong average (weak) Size: Exceptionally large average (small)

Foliage: Very abundant (normal) (scanty). Leaves: Very large medium small: Color: Light dark normal. Considerable leaf spot this date.

Habit of Growth: Very (upright roundish) broad flat spreading. Central leader: Partially retained (disappeared)

Branching:

No particular note

Main limbs: Very medium long short; Very medium slender stout; Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout; Drooping, *Good*

Twigs: Many (medium) few; (Medium) slender (stout) Long medium short; Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very many (medium) few; Very medium slender stout; (1/2 - 1 - 2) - 3 inch; Mostly branched unbranched;

Spur twigs: (Few) medium many; (Terminal bearing) mostly considerable (slight) none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

See below

Illustrations:

Tree photographed

Fruit painted *Several*

Fruit modeled

Fruit described *Several*

Disease notes by J. W. Roberts:

Row Tree 1 is next to roadway. A small weak tree; crown gall is very bad. Tree 1 Row 2, also poor but better than #1. Notes on No. 2 This has crown gall on hairy root. Small and weak at best. Whether normally a weak grower, or condition due to diseased roots, or to location is question. Location probably a factor at least, since all trees close by are fine but improve as distance from this area increases.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: Monmouth

Pomology No. 24302

Orchard location: Section

B

Row

7-8

Tree 4

Arlington Accession No.

1884

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	9/23	102605	:	1927 -		
1923 -	10/20	104284	:	1928 -		
1924 -	11/4	105954	:	1929 -		
1925 -	10/5	107010	:	1930 -		
1926 -	—	—	:	1931 -		

Blossom dates: 1924 -

1924 - 5/11, 75% buds open;

5/3, full bloom -

1925 -

1925 - 4/14, 25% buds open

4/16, 75% " "

Remarks:

The specimens in the various

seasons were labeled

Monmouth. This was doubtless

due to a mistaking of the records.

In the acc. record the name

is clearly Monmouth.

Genova (Beach) in 1902. See apper

of N.Y. Vol. I. In 1903 the specimens

were believed to be Ohio Pippin. In 1904

possibilities of this were discussed in comparison

with paintings on file of Ohio Pippin.

After proper designation as Monmouth

was painted out. Rhode Island Green

ing type.

Characterizations

Size Large, slightly oblate. Ground color
greenish yellow, heavily blushed with bright
red over basal half. Rarest leather cracking,
and small rust patches (like spray) most
a rather coarse appearance. Cells somewhat
irregular. Greenish. Flesh yellowish, fairly firm
grain, inclined to be tough, only moderately juicy,
mild subacid, fairly rich. (With good 11/24)
10-14-25 still too immature for quality rating. (No 2d sheet)

2/27/26. Tree is Northern Spy type.
Branches tend to be poorly
upright. Straight slender
twigs. Trunk and limbs
smooth.

Paintings: Several
Descriptions: Several

VARIETY APPLE ORCHARD
Arlington Farm

Variety: Morris Red

Pomology No. 40638

Orchard location: Section 24 Row 17-18 Tree 5

Arlington Accession No. 6420

Year	Date Picked	Pomology Number	Year	Date Picked	Pomology Number
1922	10/13	102844	1927	9/21	109444
1923	10/12	104252	1928	9/28	110572
1924	10/8	105633	1929	9/9	111145
1925	9/23	106859	1930	9/5	111603
1926	9/7	107918	1931	9/16	112303

Blossom dates: 1924 - $\frac{5}{2}$, 90% buds open; $\frac{7}{6}$, all petals full blown.
see over 1925 - $\frac{4}{15}$, 50% " " ; $\frac{4}{20}$ " "
For source 1926 - $\frac{4}{30}$, 50% " "
(2d sheet) 1927 - $\frac{4}{26}$, 20% " " ; $\frac{5}{11}$, 95% buds open.

1924 - 1/26, 2/10

Remarks: The apples received from Arlington in different years varied considerably - to the extent that specimens arose from time to time as to whether samples in hand were the same as specimens the previous year under same name. However as the notes are now reviewed (6/27/42) it seems probable that the specimens were all from the same trees. There was a wide variation in the picking dates especially of

Characterizations

Characterization: Good size to large, some-
times very large; roundish to roundish conic,
sometimes slightly oblate; sometimes
sides a little irregular. Ground color
yellow (greenish yellow when picked pre-
maturely), better colored fruits in most
lots have overspread of dull coppery
red but in 1928 some fruits were
highly colored; sometimes a exposed
side develops a deep solid red. Probably
as rule fruit was picked before color
developed - which accounts for the poor
color usually prevailing. Lots variable,
ranging from white, submerged, to
greenish breaks in skin which some-
times become coarse leather cracks.
In 1928 fruit finished better and no
leather cracks occurred to disfigure
the fruit.

Some fruits, especially about apex
suggest an uncolored Baldwin
because of dots and other features.

7/30/28 - there were many irregular brownish
raised dots. As developed some years
the fruit was coarse in appearance
and unattractive.

Covely deep, abrupt heavily
veined; stem 1/2" thick; basin
rather deep and wide; sepals long,
reflexed; eye very large, open.

Flesh yellowish, coarse grain,
fairly tender, moderately juicy,
very mild subacid, lacking
so much richness but pleasant,
(continued on next sheet.)

Morris Red

Characterization - continued

even with its coarse texture and lack in richness. However, greatly varied - apparently with time of picking and maturity; perhaps also with the season.

¹⁰7/16/24 it was considered fairly rich, pretty good.

9/23/27 it was characterized as having white flesh, fine grained, breaking, juicy, mild subacid - but too immature for quality trading. Considered likely good to very good. The white flesh raises a question as to variety - or maybe its maturity.

9/23/27 - badly watercored

1928 - no water core to be found.

see storage notes for quality.

Source.

Scions received 3/25/08 from W. N. Davis's private collection in Edinburgh. This No. refers to Barn. No. 13681 - scions labeled "Pearmain" from O. L. Slater, Elba, N. Y. for propagation and comparison with No. 13651 - scions from same source -
Hampfordshire Pearmain. No. 13681 received 4-8-97 (over)

The connection or relation - if any - between
Morris Red and Herefordshire Pearmain
is not apparent.

Second sheet, Variety

Morris Red

Storage notes:

1928 crop. stored $\frac{1}{2}$; out and
again. $\frac{17}{28}$ notes consist largely of a
characterization of the variety at this time.
Apparently it had kept well since no storage
defect was mentioned. In prime eating
condition. Flesh tender, though lacking in
juice it was not mealy. Mild subacid,
fairly rich; at least good in quality.

Vigor of Tree: (Exceptionally strong) average weak. Size:
(Exceptionally large) average small.

Foliage: (Very abundant) normal scanty. Leaves: Very (large)
medium small; Color: Light (dark) normal.

Habit of Growth: Very upright (roundish) broad flat spreading.
Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very (medium) long short; Very (medium) slender
stout; (Medium straight crooked).

Secondary limbs: Numerous (medium) few; (Medium) slender stout;
Drooping.

Twigs: Many (medium) few; (Medium) slender stout; Long (medium)
short; (Straight) branched twiggy; Medium open
dense; Willowy.

Spurs: Very (many) medium few; Very (medium) slender stout;
 $\frac{1}{2}$ - (1 - 2) - 3 inch; Mostly branched (unbranched)
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: (Medium slender open dense stocky
grower) Top round much (broader narrower than tall)

Illustrations:

Tree photographed

Fruit painted #105633-111145 Fruit modeled

Fruit described #16569

Disease notes by J. W. Roberts: One of the largest trees
in the orchard. Strong, vigorous,
symmetrical, well proportioned growth.
Great bearing surface. Rank, strong
foliage. In all these respects it is an
exceptional tree among all the others
in the orchard.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Mother*

Pomology No. *24303*

Orchard location: Section *B* Row *7-8* Tree *5*

Arlington Accession No. *1885*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>8/30</i>	<i>102478</i>	:	1927 -	<i>9/2</i>	<i>104349</i>
1923 -	<i>9/8</i>	<i>103903</i>	:	1928 -		
1924 -	<i>8/29</i>	<i>105170</i>	:	1929 -		
1925 -	<i>9/14</i>	<i>106793</i>	:	1930 -		
1926 -	<i>9/9</i>	<i>108330</i>	:	1931 -		

Blossom dates: 1924 - *—*
1925 - *7/14, 20 buds open; 9/8, still few buds. very small flowers.*
1926 - *—*
1927 - *9/2, past full - about 50% petals remain.*

Remarks: *9/4/24. Noted as fine specimens but rather immature at this date.*
Scions from N.Y. Agr. Sta. 1902.

Characterization: *Medium size, roundish to roundish conic, sometimes oblong (slightly) conic. Uniform, regular, smooth except indistinct ribbing. Ground color yellow, more completely covered with a wash of bright red. Indistinct striping. A little scattered butter-wick - sometimes cobweb-like. Sols yellowish, slightly raised, making surface slightly rough, not conspicuous; flesh yellowish, fine grain, fairly juicy, tender; a bright, very mild subacid. Aromatic; one of our best 9/1/25-7 ash becomes rather dry and nearly so on after exposure. While the variety resembles its reputation for high quality it can hardly be considered as reaching its best quality here. (over)*

9/8/27 a little disappointing in
quality but probably good to very
good. & Practically every specimen
slightly tipped.

Storage notes:

1/7/28

Vigor of Tree: Exceptionally strong ^(Below) ~~average~~ weak. Size: Exceptionally large ^(Below) ~~average~~ small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat (spreading)
Central leader: Partially retained disappeared.

Branching:

Main limbs: *Smooth except for many "knots" under bark.*
 Very medium long short; Very medium slender stout; Medium straight crooked.

Secondary limbs: Numerous (medium) few; Medium slender stout; Drooping.

Twigs: (Many) medium few; Medium slender stout; Long medium (short); Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very (many) medium few; Very medium slender stout; 1/2 - 1 - 2 - 3 inch; Mostly branched unbranched;

Spur twigs: Few medium (many) Terminal bearing mostly considerable slight none *Considerable branched 1 to 3 or 4 inches long.*

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

See below

Illustrations:

Tree photographed Neg. No. 47905

Fruit painted

Several

Fruit modeled

Fruit described

Several

Disease notes by J. W. Roberts:

Practically no current annual growth. Lack of vigor may be due to lack of fertility of soil - not in a good location. No apparent disease.

See Apples of New York - Vol. 2

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Moulin-a-vent* (French crab)

Pomology No. *not given*

Orchard location: Section *K* Row *21-22* Tree *3*

Arlington Accession No. *10858*

See acc. No. 8184. 1313 *Pauline a. (Hunt)* **
(clearly wrong)

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	—	—	:	1927 -		
1923 -	—	—	:	1928 -		
1924 -	<i>10/4</i>	—	:	1929 -	<i>9/16</i>	<i>111254</i>
1925 -	<i>10/28 *</i>	<i>107181</i>	:	1930 -		
1926 -	—	—	:	1931 -		

Blossom dates: 1924 -

Scions from

Da. apt. Sta 1925 -

3-21-11 through

Dr. D. N. Shoemaker 1926 -

1927 -

Remarks: * In 1925 the fruit sample was picked up from the ground.

** In one of the orchard record books Dr. Caldwell indicated this was Moulin-a-vent. The characterizations of the 2 things rather supports this view.

Characterization: 1925 notes. Good size for a crab, regular, oboate. Ground color pale yellow with little if any red on surface, but surface marked with many short dark colored cracks, and many small imitations of better rat on same other places. Very unattractive. Flesh yellowish, rather coarse, definitely lacking in juice, sweet, somewhat astringent, lacks richness. Because of lack of juice value as a crab (or on any other basis) seems lacking. (over)

10/11/29 Abundance of astringency in large
degrees in 1928 is not correct for 1929.
While not as astringent as some crabs
it is too much so for pleasant
eating out of hand. Moderately juicy
in 1929. Few if any of the crabs
noted in 1925 are present in 1929.
Smaller than some of the French
crabs, also sweeter.

Painting: 111254

Description: none

(No 2d sheet)

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Munson

Pomology No.

24304

Orchard location: Section

B

Row

9-10

Tree

1

Arlington Accession No.

1886

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	8/3	102223	:	1927 -	8/4	109238
1923 -	8/16	103420	:	1928 -		
1924 -			:	1929 -		
1925 -			:	1930 -		
1926 -	8/26	107873	:	1931 -		

Blossom dates:

1924 -

4/29

40% buds open;

5/3, full bloom - light.

1925 -

4/14

40% " " ;

4/16, 75% buds open - petals

dropping but buds still present.

1926 -

4/28

50% " " ; very light bloom.

1927 -

Remarks:

Scion from Geneva, N.Y. in 1902

1926 notes -
Characterization: Medium size, slightly oblate cone, smooth, regular. Skin yellow - no suggestion of any red. Dots numerous, submargined, whitish, mostly almost imperceptible, but few scattered, yellowish or brownish, irregular, sometimes appearing as short lenticular cracks. Flesh tinged yellow, fairly fine grain, tender, quite juicy, sweet, fair, rich; higher quality and less flat and insipid than most small varieties. In 1927 lenticular cracks were absent; a few specimens are included in cavity. 8/10/27 have not fully developed - picked too early apparently.

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Second sheet, Variety

Munson.

529

Storage notes:

11/6/28

Vigor of Tree: (Exceptionally strong) average weak. Size:
(Exceptionally large) average small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat (spreading).
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender
Smooth (stout) Medium straight crooked. *Very stocky*
Secondary limbs: (Numerous) medium few; Medium slender (stout;
Drooping. *well branched*.

Twigs: (Many) medium few; (Medium slender) stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium) few; Very medium (slender) stout;
(1/2 - 1 - 2) - 3 inch; Mostly branched (unbranched)
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Fig. no. 47554

Fruit painted

several

Fruit modeled

Fruit described

#7727 - 33810

Disease notes by J. W. Roberts:

*a fine strong, stocky tree. Main
limbs well branched and stout,
but twigs and spurs are relatively
slender.*

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Muster

Pomology No.

missing - card -

Orchard location: Section

I

Row

25-26

Tree

5-

Arlington Accession No.

7197

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	8/15	102 279	:	1927 -	8/15	109 277
1923 -	8/13	103 386	:	1928 -	8/22	110 319
1924 -	9/5	105 214	:	1928 -	8/8	110 408
1925 -	8/20	106 629	:	1929 -	8/21	111 091
1926 -	9/1	107 874	:	1930 -	—	—
			:	1931 -	8/25	112 281

Blossom dates:

1924 - 5/2, fast full.
1925 - 4/15, full bloom - few clusters only
1926 - 5/1, " " , petals falling
1927 - 4/16, 75% buds open.
1928 - 4/20, first bloom, 4/26, 75% buds open, 7/1, full bloom.

Remarks:

8/13/23 - picked too early - immature.

Characterization: Size medium but variable - from below to above medium; irregular, lobes commonly unequal; usually somewhat oblate but sometimes, occasionally a little oblong concave. Bases irregular in size and shape same seasons then others.
Characterization: Ground color yellowish, in better colored fruits abate half surface variegated with bright red with indistinct stripes, but some seasons red is rather dull & also numerous, very variable - from very small faint, to large irregular russet spots, yellowish, some dots more or less raised, giving in some seasons a coarse mottled finish, in others the finish is smoother and pleasing. Cavity medium, stem about 1/4" medium slender, basin rather shallow, wide throat; sepals medium, converging, eye closed. (over)

Flesh yellowish, grain a little coarse, sometimes a little granular, fairly tender when full ripe but tends to toughness if immature; inclined to lack juice but some seasons moderately juicy, rather rich, with a somewhat pear-like flavor. In fact this pear-like flavor is the conspicuous feature of the apple. At its best it is one of the choicest of varieties. (I used to consider it some seasons as the choicest of all the varieties I know but pretty varies apparently from season to season, being definitely below its best when crop is very heavy. Besides, to be at its best, it must be at a very definite stage of maturity. If immature, flesh is somewhat tough and flavor rather flat - not well developed; over ripe, it becomes dry and mealy and flavor flattens out. But at its best it is very fine HPS) 8/17/27 - Not fully mature. Best of Aug. or early Sept. is about its season at Burlington.

1928 - 28 picking Sept. 8. Held in fire until 7/21. Had been in some rotting condition for a week, but by 7/21 had become a little flat, though its characteristic pear flavor was still apparent.

Second sheet, Variety

Muster

522

Storage notes:

11/9/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal. 60% H.

Habit of Growth: Very upright roundish broad flat (spreading)
Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very medium (long) short; Very (medium) slender
stout; Medium (straight) crooked.

Secondary limbs: Numerous (medium) few: (Medium) slender stout;
Drooping.

Twigs: Many (medium) few; (Medium) slender stout; Long (medium)
short; (Straight) branched twiggy; Medium (open)
dense; Willowy.

Spurs: Very many (medium) few; Very medium (slender) stout;
(1/2 - 1 - 2) - 3 inch; Mostly branched (unbranched)

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender (open) dense stocky
grower; Top round much (broader narrower than tall).

Illustrations:

Tree photographed Neg No. 42656

Fruit painted several

Fruit modeled

Fruit described several

Disease notes by J. W. Roberts:

Main limbs spread decidedly - creates
poorly formed resulting in a weak tree
Because of wide spread of main limbs,
top is very open.

All of the following were received from Algeria
Dec No. 1992 . Pair 24164 - in 1902
probably
Algerienne 53

"	"	1993	"	24165 - DE Chataignier(?)
"	"	1994	"	24166 - D' Eve
"	"	1995	"	24167 - Nain de Mahon
"	"	1996	"	24168 - Nain Paradis
"	"	1997	"	24169 - Precoce de Turis
"	"	1998	"	24171 - DE Laghowat(?)
"	"	1999	"	24172 - DE Mahon

Question whether, acc. Nos 1995 + 1999
may not be identical. Is Nain equivalent
to appen?

Nain de Mahon

Pomology No. 27167

C

5-6

Tree 5-

1945

✓ P. 5453

1924 -

5/11 full bloom - very light.

1925 —

~~4/14~~, 75% buds open; 1/4/18, little frost full.

1926 -

1927 -

Remarks:

his term and acc. Nos 1992, 1993, 1994

1996, 1997, 1998 + 1999 were renewed from

Algeria in winter (France) 2 1902

Algérie in winter (France) 1902.
from Pépinière de l'Anphithéâtre de Mers-el-Kébir 24/02

Arzu, Algeria

Characterization:

1924 notes. Picked 9/15. game. 10/13.

A medium sized apple, oblong cone.
Ground color yellow, lightly striped and
splashed with dull red. Flesh lightly tinged
yellow, fine grain, dry, considerably wilted
and shriveled. Sweet, fairly rich. Probably
in fresh condition. It would be a
pretty good sweet apple.

(no 2^d sheet.)

1923 notes (in pencil) state - variable
in size, medium to large, very cap-
sided, conic; skin yellow with
light overstrand of red and indistinct
stripes. Irregular dots and irreg-
ular dark colored cross like
markings making a coarse
finish. Flesh tinged yellow,
fine grain, tough, nearly
or quite sweet, flat -
set of much value.

5/27/26 Tm below medium,
upright spreading -

Painting: none

Description: none

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Main Paradis*

Pomology No. *24168*

Orchard location: Section *C* Row *7-8* Tree *1 1*

Arlington Accession No. *1996* *SPV probably #8452 or*

Jour. No. (Pom. No) 24170. SPV(?) also Main Paradis from same source

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>9/28</i>	<i>102642</i>	:	1927 -	<i>9/2</i>	<i>109350</i>
1923 -	<i>9/13</i>	<i>103912</i>	:	1928 -		
1924 -	<i>10/11</i>	<i>105602</i>	:	1929 -		
1925 -	<i>10/11</i>	<i>107011</i>	:	1930 -		
1926 -	<i>9/20</i>	<i>108331</i>	:	1931 -		

Blossom dates: 1924 - *5/1, full bloom*
1925 - *4/14, "*
1926 - *4/28, "*
1927 -

Remarks: *This tree and others including*
nos. 1442 to 1998 were received
from Algeria, probably in the
winter of 1902 (424/12) from (Pepiniere de l'Orangerie de Maccagnan, Aron, France)
→ *Size variable but in general medium; sometimes*
conical or slightly oblong; sometimes tending
to truncate; grayish color yellowish
poorly well covered with bright red
stripes. In 1925 ground color deep yellow, when
young, probably result of immaturity. If held at
room temp. as in 1925 (picked 11, and 14) surface
becomes exceedingly greasy in feel - about the most
extreme ever noted! Both moderately numerous,
inconspicuous. Flesh practically white, especially
with maturity, yellowish in color; in 1924 it was
subacid, lacked pectin - if no apparent value
(over)

In 1925, it was fine grain, tender, almost
buttery in texture, mild subacid, fairly
rich, pretty good. 11/14/25.

In 1926 grassy feel was not conspicuous
but evident, especially when fruit was
picked prematurely and held for a
time at room temperature. In 1926
texture was not buttery, flavor was
mild subacid, rather flat, with an
unnature taste - which was not
consistent with its being soft
condition. However, in 1926
fruit was picked 9/20, which
was probably too early. Apparently
it never ripened to maximum
quality, even though it ripened.

Storage notes:

11/28

Vigor of Tree: Exceptionally strong average (weak) Size: Exceptionally large average (small) *see below*

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat (spreading) Central leader: Partially retained disappeared.

Branching: *Low roundish top.*
Main limbs: *well branched* Very medium long short; Very (medium slender stout) Medium straight crooked.

Secondary limbs: Numerous medium few: Medium slender stout; Drooping.

Twigs: (Many) medium few; Medium slender (stout) Long medium (short) Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very (many) medium few; Very medium slender (stout) 1/2 - 1 - 2 - 3 inch; Mostly (branched) unbranched; Spur twigs: Few (medium) many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Neg. No. 47918

Fruit painted *None*

Fruit modeled

Fruit described *None*

Disease notes by J. W. Roberts:

in annual growth 18" to 24" in some places. Looks sturdy and healthy - a small tree may have good vigor, size being a variable characteristic. Vigor in this case may not be accurately expressed as weak - but better as small size.

527

Variety Apple Orchard
Arlington Farm

Variety: Nero - with questionable lots.
Acc. No. 1887 Pam. No. 24305.
Location: B: 10:2.

Acc. No. 3037 Pam. No. 24458
Location: B: 19-20:3

Acc. No. 3043 Pam. No. 24508
Location: B: 21-22:3.

These 3 lots were received as Nero,
respectively from the N. Y. Expt. Station,
J. F. Blackwell, Titusville N. J.,
and O. H. Derby, Woodside, Del.
The notes on fruit samples were
fragmentary and very incomplete
but, considering the sources, it may
be assumed they were correctly named,
bearing in mind of material after
it was received - which apparently
happened in many cases.

Acc. No. 3065 Pam. No. 23872
Location: D: 3-4:5.

Stock received 4/3/02 from
Holland & Co, Plymouth, Ind.,
supposedly as Barnes' Best,
but identified as probable
Nero. (Filed under Barnes' Best)

Variety: Nero — supposedly Akin

Acc. No. 3219 Pam No. 24653

Location: D: 22:1

Scions received 7/26/02 from Charles Miller, Sevruldown, W. Va. supposedly as Akin, and as noted in the summary, may possibly have been that variety, but in some seasons at least regarded as Nero.

Acc. No. 3371

Pam No. 24605-

Location: D: 24:1

Stock received in 1902 from C. D. Hicks, North Clarendon, Vt. as Shioassee — which it was not — as grown at Arlington, considered to be Nero.

Acc. No. 4201

Pam. No.*

Location: E: 7-8:3

Scions received 7/14/03 from Kansas Expt. Station as Fink.

Uncertain as to what Fink is but specimens regarded as Nero (sheet filed under Fink).

* no Pam. Jan entry for this item, 1903

Variety: Nero -

Acc. No. 6359

Pam No. 40540

Location - 5! 23 - 24! 3.

Scions mixed, 3/12/85 as Illinois Favorite. Insufficient information as to what Illinois Favorite is like and varietal notes too fragmentary and incomplete to help much in identification - but specimens from Arlington regarded as Nero.

This Nero situation is the most confused of any variety group at Arlington - at least it is one of the worst. It seems rather unreasonable that Nero should actually have been mixed with as many varieties as the above would seem to indicate.

There is at present no satisfactory explanation for what appears to have occurred. These records are of little value from any varietal standpoint but they account for the accession numbers and orchard locations.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Nero*

Pomology No. *24305*

Orchard location: Section *15* Row *10* Tree *2*

Arlington Accession No. *1887*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	—	—	:	1927 -		
1923 -	<i>10/26</i>	<i>104296</i>	:	1928 -		
1924 -			:	1929 -		
1925 -			:	1930 -		
1926 -			:	1931 -		

Blossom dates: 1924 - *Scions for this no. were*
924- first bloom 1925 - *received in 1902 from*
4/26, first bloom 1926 - *the N.Y. expt. Sta at Geneva.*
3, past full 1927 - *The above is the only orchard*
1925 full bloom 1928 - *record for this number.*
4/14 few clusters only.

Remarks: *See acc. No 3037 (C:18-20:5) and*
No. 3043 (C:21-22:3), both also received as
Nero from J. F. Blockwell, Titusville N. J., and
J. F. Derby, Brookside, Ill respectively; also
several other numbers received as something
else but more or less well identified as

Characterization: *Nero. - all reported under name Nero.*
2/27/26 Tree medium size, upright, tendency
for smaller limbs to droop. Many
small branches. Bark of larger
limbs smooth.

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VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Nero*

Pomology No. *24458*

Orchard location: Section *6*

Row *19-20*

Tree *3*

Arlington Accession No. *3037*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	—	—	:	1927 -		
1923 -	—	—	:	1928 -		
1924 -	<i>11/4</i>	<i>105960</i>	:	1929 -		
1925 -	<i>10/11</i>	<i>106944</i>	:	1930 -		
1926 -	—	—	:	1931 -		

Blossom dates: 1924 - *4/26, first bloom; 5/2, full bloom*
1925 - *4/14, 90% buds open; 4/15, petals mostly off*
1926 -
1927 -

Remarks: *Stock received 7/5/02 from J. J. Blackwell, Titusville, N. J.*

11/7/24 noted that specimens were well colored but rather small for the variety. See general note re other lots of Nero.

Characterization: *1925 notes. Pretty well developed and fairly well colored specimens. Size medium; quite regular, ground color yellow, highly colored parts nearly completely covered with rather deep red. Scales rather scattered, brownish, areolar, quite conspicuous. Flesh deeper yellow. There were yellow fleshed varieties, fairly fine grain, quite firm, juice normal, very much subacid, rather flat. No distinctive flavor. Only fairly good. See also No. 3043 for other notes. (2nd sheet) (over)*

3/4/26. Trim one of best in orchard.
about the largest trunks here.
Very fine sturdy stocky trees.
Upright spreading with
very stocky main branches.
Secondary branches more
slender; twigs and
spurs - normal - healthy.

Tag No. 44705
" " 44748 (roots)

VARIETY APPLE ORCHARD
Arlington Farm
- - - - -

Variety: *Nero*

Pomology No. *24508*

Orchard location: Section *6* Row *21-22* Tree *3*

Arlington Accession No. *3043*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	—	—	:	1927 -	<i>9/26</i>	<i>109526</i>
1923 -	<i>10/26</i>	<i>104302</i>	:	1928 -		
1924 -	<i>11/4</i>	<i>105963</i>	:	1929 -		
1925 -	—	—	:	1930 -		
1926 -	<i>9/17</i>	<i>108334</i>	:	1931 -		

Blossom dates: 1924 - *4/26*, first bloom; *5/2*, full bloom
1925 - *4/14*, 90% buds open; *4/16*, petals mostly off.
1926 - *4/28*, 90% " "
1927 - *4/12*, 10% " "

Remarks: *Stock received 7/5/02 from V. H. Derby, Woodside, Wis. See general statement attached re other lots of Nero.*

Characterization: *The 1925 notes on acc. No. 3037 are approved with following added: Sals variable, while some are areolar, the most of them are not. They are small, yellowish, fairly numerous, not conspicuous. The calyx is broad and flaring, - rather saucer shaped, sepals large and fleshy; eye large, but closed or nearly so.*

Neg. No. 47768

THE HISTORY OF THE
CITY OF BOSTON

Year	Population	Area (sq. mi.)	Water (sq. mi.)	Land (sq. mi.)
1630	100	1.0	0.5	0.5
1680	1,000	1.5	0.8	0.7
1730	5,000	2.0	1.0	1.0
1780	15,000	2.5	1.2	1.3
1830	35,000	3.0	1.5	1.5
1880	100,000	4.0	2.0	2.0
1930	250,000	5.0	2.5	2.5
1980	600,000	6.0	3.0	3.0
2000	700,000	7.0	3.5	3.5

The city of Boston has a long and rich history, dating back to the early 17th century. It was founded by a group of Puritan settlers who sought religious freedom and economic opportunity. Over the years, Boston has grown from a small fishing village to a major center of commerce, industry, and culture. The city is known for its historic architecture, including the Freedom Trail, and its role in the American Revolution. Today, Boston is a vibrant and diverse city, home to a large population and a thriving economy.

The city of Boston is a major center of commerce and industry. It is home to a large number of corporations and businesses, many of which are in the financial services, technology, and healthcare industries. The city is also a major center of education, with several prestigious universities and colleges. Boston is a city of many firsts, and it continues to be a leader in many fields. The city's rich history and vibrant culture make it a unique and exciting place to live and visit.

Second sheet, Variety

Nero

533

Storage notes:

acc. No. 3043.

Vigor of Tree: (Exceptionally strong) average weak. Size:

Exceptionally (large) average small.

one of the best of all varieties here.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

1/7/28

Habit of Growth: Very (upright) roundish broad flat (spreading.)

Central leader: Partially retained (disappeared.)

Branching:

well branched - strong - smooth

Main limbs: Very medium long short; Very medium slender stout; Medium straight crooked.

Secondary limbs: (Numerous) medium few: Medium slender stout; Drooping.

Twigs: (Many) medium few; (Medium slender) stout; Long medium short; Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very many (medium) few; Very medium slender (stout); (1/2 - 1 - 2) - 3 inch; (Mostly branched unbranched)

Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Neg. No. 47969

Fruit painted

Several

Fruit modeled

Fruit described

Several

Disease notes by J. W. Roberts:

Main limbs are clean; bark smooth. A fine strong tree - rather characteristic. Some secondary branches make a rather crooked angular growth, and considerable small twiggy growth.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Nero(?) skin(?)*

Pomology No. *24653*

Orchard location: Section *D* Row *22* Tree *1*

Arlington Accession No. *3219*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>10/3</i>	<i>102768</i>	:	1927 -		
1923 -	<i>10/26</i>	<i>104299</i>	:	1928 -		
1924 -	<i>10/11</i>	<i>105637</i>	:	1929 -		
1925 -	<i>10/1</i>	<i>106943</i>	:	1930 -		
1926 -	<i>—</i>	<i>—</i>	:	1931 -		

Blossom dates: 1924 - *The stock of No. 3219 in the*
1925 - *form of skins supposedly*
1926 - *was received 7/26/02 as*
1927 - *skins from Charles Miller,*
Serranstown, W. Va. In same way.

Remarks: *Not explained the location, according to the*
orchard records as reflected in the fruit was
planted to Celestia - No. 3218, which obviously
was incorrect since the app. Record shows
the variety as skin. The 2 fruit samples
were labeled Celestia - which they clearly

Characterization: *were not. The 1922 notation*
indicated that the fruit was a small
red, late keeping apple - not recognized.
Question naturally arises as to whether it was not
skin - as it should be. It clearly was not Celestia
as labeled. Lack of familiarity with skin may
have entered the picture. In 1923 the sample
was identified as "apparently Nero
"unmistakably" Nero in 1924+1925" (no 22 shot)

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Nero (?) Should be Shawnee*

Pomology No. 24605

Orchard location: Section *D* Row *24* Tree *1*

Arlington Accession No. *3371*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>9/23</i>	<i>102575</i>	:	1927 -		
1923 -	<i>10/26</i>	<i>104300</i>	:	1928 -		
1924 -	<i>10/11</i>	<i>105619</i>	:	1929 -		
1925 -	—	—	:	1930 -		
1926 -	—	—	:	1931 -		

Blossom dates: 1924 - *Stock No. 3371 was received in 1902 from C. D. Hicks, Clarendon, Vt. as Shawnee.*
1925 -
1926 -
1927 - *The fruit from Arlington in*

Remarks: *1922 clearly was not that variety. A possible identification as Swins was suggested. In 1923, it "appeared" to be Nero; in 1924 it was noted as 'a good typical Nero, fairly well grown'.*

Characterization: *no varietal or other notes were made.*

(No 2nd sheet)

REPORT ON THE ANALYSIS OF THE

Date of Report: _____

Name of the Analyst: _____

Name of the Institution: _____

Name of the Project: _____

Sample No.	Weight (g)	Volume (ml)	Concentration (g/l)	Temperature (°C)	Time (min)
1	0.1000	10.00	0.0100	25.0	10.0
2	0.2000	20.00	0.0200	25.0	20.0
3	0.3000	30.00	0.0300	25.0	30.0
4	0.4000	40.00	0.0400	25.0	40.0
5	0.5000	50.00	0.0500	25.0	50.0

The following data were obtained from the analysis of the samples:

Sample 1: 0.1000 g, 10.00 ml, 0.0100 g/l, 25.0°C, 10.0 min

Sample 2: 0.2000 g, 20.00 ml, 0.0200 g/l, 25.0°C, 20.0 min

Sample 3: 0.3000 g, 30.00 ml, 0.0300 g/l, 25.0°C, 30.0 min

Sample 4: 0.4000 g, 40.00 ml, 0.0400 g/l, 25.0°C, 40.0 min

Sample 5: 0.5000 g, 50.00 ml, 0.0500 g/l, 25.0°C, 50.0 min

The results of the analysis show that the concentration of the samples increases linearly with the weight and volume of the samples. The temperature and time of the analysis are constant for all samples.

Signature of the Analyst: _____

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Nero (?) Should be Fink.*
Pomology No. *None given on acc card*
Orchard location: Section *E* Row *7 8* Tree *3*
Arlington Accession No. *4201*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -			:	1927 -		
1923 -			:	1928 -		
1924 -			:	1929 -		
1925 -			:	1930 -		
1926 -	<i>10/13</i>	<i>108304</i>	:	1931 -		

Blossom dates: 1924 - *See this No. under Fink*
1925 - *Picking records were made*
1926 - *in 1922 and 1923 (under*
1927 - *Fink) but there was so much*

Remarks:

frustration in the various years as to the identity that no attention was given them in the compilation. In 1926 the variety was regarded as Nero. However, one of the 2 trees may have been Fink, even if it was Nero in

Characterization:

1926. By 1926, ^{or soon after} apparently the trees were removed hence no chance of checking up on them.

Seeds apparently from K. Agr. College, Manhattan, N.Y. 11/10/31.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Nero (?) should be Illinois Favorite*

Pomology No. 40540

Orchard location: Section *9* Row *23-24* Tree *3*

Arlington Accession No. *6359*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>See records for these years for acc. No. 6359 under Illinois Favorite.</i>			1927 -	<i>9/28</i>	<i>109601</i>
1923 -				1928 -	<i>10/23</i>	<i>110731</i>
1924 -				1929 -	—	—
1925 -				1930 -	—	—
1926 -	<i>10/13</i>	<i>105314</i>	:	1931 -	—	—

Blossom dates: 1924 - *5/2, full bloom*
Scion from private collection of W. H. Swinn, in Arlington 3-13-08.
1925 - *7/15, little fast full bloom.*
1926 - *4/30, full bloom - petals dropping*
1927 - *4/12, 5% buds open.*
1928 - *7/20, first bloom; 7/25, 35% buds open; 5/1, petals falling.*

Remarks:

Scion viewed as Illinois Favorite 3/13/08. Specimens viewed from Arlington the above 3 years labeled Nero, that conclusion having been indicated in 1926. In the notes made 4/17/29 reporting on cold storage fruit, it was noted: 'There may be true differences but the fruit is identical, within a varietal range, in even particular with that from J:4:5, acc. No. 7207 which is supposed to be Illinois Favorite', but I see no reason for not regarding both of them as Nero. (No acc. card for No. 7207)
(over)

Characterization: 1927 + 1928 (storage
1928) Notes: Size, medium to good; roundish
slightly oblate; ground color yellow, fairly
well overspread with bright red, but
broken stripes and splashes of red in
less than fully colored fruits. Dots
variable - whitish, minute, submerged,
about apex and inconspicuous, on
sides moderately numerous, brownish,
areolar, slightly raised, rather
conspicuous. A grayish overspread
on some fruits. Cavity medium,
muscle - at least under same
conditions; stem $\frac{1}{2}$ " to $\frac{5}{8}$ " medium;
basin rather shallow, broad;
sepals large, mostly converged;
eye, nearly closed. Flesh yellowish,
fairly fine grain, moderately
juicy, very mild subacid, lacks
richness, only fair quality.

Second sheet, Variety *Nero(?)* acc. No. 6359

Storage notes: 1928 crop. Stored 1/2, sent 4/19/29, 4/17/29. It lies well in storage 1/29; well; little or no scale. Flesh satiny rather coarse, considerable body to it, a little lacking in juiciness; very mild subacid approaching neutral, lacks richness; not much character; fair quality.

See tree characterization for acc. No.

Vigor of Tree: Exceptionally strong average weak. Size: 6359
Exceptionally large average small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal. *Under Illinois Favorite*

Habit of Growth: Very upright roundish broad flat spreading.
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very medium slender stout; Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout; Drooping.

Twigs: Many medium few; Medium slender stout; Long medium short; Straight branched twiggy; Medium open dense; Willowy.

Spurs: Very many medium few; Very medium slender stout; 1/2 - 1 - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted

Several

Fruit modeled

Fruit described

Several

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *New England Pigeon*

Pomology No. *28468*

Orchard location: Section *7* Row *7* Tree *3*

Arlington Accession No. *4352*
SPJ 6756

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>8/19</i>	<i>102273</i>	:	1927 -		
1923 -	<i>9/8</i>	<i>103598</i>	:	1928 -		
1924 -	<i>8/29</i>	<i>105188</i>	:	1929 -		
1925 -	<i>9/11</i>	<i>106743</i>	:	1930 -		
1926 -	—	—	:	1931 -		

Blossom dates: 1924 - *5/2, full bloom - very light bloom.*
1925 - *4/15, 80% buds open; 7/30, fast full.*
1926 -
1927 -

Remarks: *Received 3/20/03 from Fargue & Son
Camden, New South Wales. Original stock
grown on Potomac Falls as Pom. No. 21732. Scions
used in propagating Arlington Farm trees from these
nursery trees. Recorded as Pom. No. 28468*

Characterization: *Good size, in general fairly round
except indistinct ribbing; sometimes 1-6 sided.
Roundish conical or slightly oblong conical.
Ground color greenish-white, most of surface
overlaid with a fainter shade of pink, with
heavy white bloom, giving a sort of grayish
pink cast - peculiar in its appearance. Flesh
greenish-white - possibly lightly tinged yellow - in
1924, moderately firm - when tough, relatively dry - in
1925, firm, juicy, sweet, fairly rich, pretty good.*
(over)

apparently if immature (stone
is tough, with juice locking
and pithy undveloped).

apparently fruit somewhat
subject to bitter rot (mentioned
in 1923 only).

(no second sheet)

8/2/26

Good tree, medium size;
upright, slender limbs
and twigs - Northern
spy type.

Painting: none
description: none

VARIETY APPLE ORCHARD
Arlington Farm

Variety: Newtown Spitzburg

Pomology No. 28421

Orchard location: Section E Row 25-26 Trees 2

Arlington Accession No. 4320

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	10/3	102766	:	1927 -	9/22	109480
1923 -	10/4	104172	:	1928 -		
1924 -	10/18	105988	:	1929 -		
1925 -	9/25	106965	:	1930 -		
1926 -	10/13	108332	:	1931 -		

Blossom dates: 1924 - 4/28, first bloom; 7/1, full bloom
1925 - 4/14, 90% buds open.
1926 - 4/30, 40% " "
1927 -

Remarks: Act. 30/24 striking similarity between this variety and specimens previously handled under name
- Menagerie was noted. Not mentioned at any other time
known from N.Y. Agr. Sta. 1702 3/13/03

Characterization: Good size, roundedish, slightly conical, somewhat indistinctly truncate; sometimes 8-sided; sometimes lobes unequal - but mostly fruits fairly regular. Ground color deep yellow, flesh well overfleshed with bright red and some stripes and splotches; color effect is somewhat suggested by a rich golden yellow ground showing through more or less a bright red overcoat. Large grayish green color and heavy purplish bloom. In 1926 mention was made of considerable better cracking - not referred to in other years. (over)

dots numerous, variable - some minute, submerged; many raised varying from minute to rather large, brownish, conspicuous; some dots areolar. Basin medium depth, wide; sepals reflexed; eye very large; open as a rule - sometimes closed.

Flesh yellowish, fine grain, tender, juicy, mild subacid. 9/2/25 - rather rich, better than most varieties but 10/21/26 though nearly in season it lacked the richness characteristic of Newtown Spitzembury, as it did 9/27/27.

10/2/25 While the apple has a rather coarse finish, because of the raised dots and coarse russeting about the cavity, the rich yellow ground color showing through the over color enough to modify. Hence somewhat makes an apple fairly attractive in appearance.

10/2/25 Some fruits show a spot disease something like Baldwin spot.

The above characterization does not check well with the description of Newtown Spitzembury in Apples of New York.

Identity of the apple seems doubtful 7/5/42
HDS

Second sheet, Variety *Newton Spitzenburg*

Storage notes: Crop 1926. Out of storage

3/13/27. Exam 2 1/2 lb. in office refrigerator
incubated. Right air, will. Considerable
decay, fruit a lot of shriveling; - fairly
rich, fairly good but apparently somewhat
past prime

2/6/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat (spreading).
Central leader: Partially retained (disappeared).

Branching: *well branched*
Main limbs: Very medium long short; Very (medium slender
stout); Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout;
Drooping, *well branched*

Twigs: (Many) medium few; (Medium slender stout); Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium few; Very (medium slender stout);
1/2 - (1 - 2) - 3 inch; (Mostly branched unbranched)
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader, narrower than tall.

*Quite a lot of brown knot - Bark on main limbs rough
and scaly but may not be decided!*
Illustrations:
Tree photographed *Fig. No. 4702/4 (4266)*

Fruit painted *Several - Newton* Fruit modeled

Fruit described *Several* " " *Spitzenburg*

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: Nick (Seedling probably " (Mr. Cox "called it" Nick")

Pomology No. 40582

Orchard location: Section H Row 11 - 12 Tree 2

Arlington Accession No. 6401

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	10/13	102857	:	1927 -	9/28	109602
1923 -	10/12	104242	:	1928 -	Prior to 10/10	110609
1924 -	10/21	106018	:	1929 -		
1925 -	—	—	:	1930 -		
1926 -	10/4	108333	:	1931 -		

Blossom dates: 1924 - 5/2, 25% buds open; 5/6, full bloom.
1925 - 4/20, 50% " "
1926 - 4/30, center buds open.
1927 - 5/1, past full - few petals still remain.
1928 - 5/26, buds show pink; 5/11, 30% buds open.

Remarks:

scions received 3/27/08, from U. T. Cox, Proctorville, Ohio. In some of its features, including cavity of some fruits it suggests Rome Beauty - of which it may be a seedling - but of no apparent value - too poor in quality, among other faults.

Characterization:

Size medium of good, roushish conic. Ground color yellow, with well overlaid with fairly bright red with inclined striping; considerable overlaid of lighter with about half and a heavy, whitish bloom. Cavity moderate, deep, rather wide, suggesting Rome Beauty. Stem 1/2" to 3/4" slender; basin medium; eye medium, sepals rather large, converging; eye closed. Flaw lightly tinged yellow, with considerable over

appearance of Rome Beauty, grain
moderately fine, fairly tender, looking
in price very mild subacid -
nearly neutral; flat with very little
flavor; poor about as little
flavor as one finds in
an apple.

Second sheet, Variety

Nick

543

Storage notes:

Crop of 1928. Stored Oct 10;

out and again '3/18/28. No mention
of keeping qualities. but fairly full character-
ization made. Comments made on
poor quality. Held in office refrigerator
till 8/29 for comparison with winter John
and winter Sandwiche - with both of which
it was found to differ, but all having about
the same lack of quality.

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal

Mostly off.

10
9/
28

Habit of Growth: Very upright (roundish broad flat spreading)
Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very medium long short; Very (medium slender)
stout; Medium straight crooked. Clean.

Secondary limbs: Numerous medium few; Medium slender stout;
Drooping. Well branched

Twigs: Many (medium) few; (Medium slender) stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium) few; Very (medium slender stout)
1/2 - (1 - 2) - 3 inch; Mostly branched unbranched;

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Good open type with very, rather slender limbs and
branches.

Illustrations:

Tree photographed

Fruit painted

#39765

Fruit modeled

Fruit described

None

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Nickajack*

Pomology No. 40823

Orchard location: Section *J* Row *3-4* Tree *4*

Arlington Accession No. *6607*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>10/13</i>	<i>102837</i>	:	1927 -	<i>9/28</i>	<i>109603</i>
1923 -	<i>10/12</i>	<i>104259</i>	:	1928 -	<i>10/10</i>	<i>110652</i>
1924 -	<i>11/4</i>	<i>106023</i>	:	1929 -	<i>9/30</i>	<i>111267</i>
1925 -	<i>10/12</i>	<i>107114</i>	:	1930 -	—	—
1926 -	<i>10/20</i>	<i>108689</i>	:	1931 -	<i>10/6</i>	<i>112340</i>

Blossom dates: 1924 - *5/2, full bloom.*
Scion new
4-7-08 1925 - *4/15, part full bloom, 4/20, petals nearly all off.*
from F. M.
Super 1926 - *4/30, full bloom.*
Magnolia
Orl 1927 - *4/16, 90% buds open.*

Remarks: 1928 - *4/26, 35% " " ; 5/1, full bloom.*
Development of fruit has varied considerably from year to year. In 1924, it was finely developed and highly colored. Several other years it was apparently well finished but in 1931 it was very coarse and rough, poorly colored, and unattractive.

Characterization: *Several references to features suggestive of M. latifolia. Size medium to fairly good; sometimes slightly oblate, slightly conical. Mostly regular, uniform, ground color yellow, nearly overtopped with a rather heavy wash of dark red, with purplish stripes; also about half an inch of grayish flaccid (bittermilk). Dots variable, numerous, yellowish and submerged also some brownish and slightly raised. Sometimes coarser dots thicker as very flat bubble cracks - this some seasons. Cavity medium, very regular and smooth; stem 1/2" to 3/4", rather stout; basin shallow, (over)*

similar to the apple, slightly wrinkled.
Flesh yellowish, somewhat salty,
fine grain, firm, a little tough,
juice normal or slightly lacking,
mild subacid; lacks richness,
not better than poor to fair in quality.

Second sheet, Variety

Nickajack

545

Storage notes:

Crop of 1926. Out storage 1/2 1/2; Yam. 3/31/27 a little shriveling; otherwise fruit has kept well; no leen or scald. Freshly from - a slight suggestion of astringency.

Crop of 1928 stored 1/8; out 1/8/29. Yam 11/1/29 excellent condition; probably would have held in storage for sometime. Rather attractive in appearance; distinctly less in quality.

Vigor of Tree: Exceptionally strong (average) weak. Size: Exceptionally large (average) small.

Foliage: Very abundant (normal) scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very upright (roundish broad-flat spreading). Central leader: Partially retained (disappeared).

Branching:

Main limbs: Very (medium) long short; Very (medium) slender stout; Medium straight crooked.

Secondary limbs: Numerous (medium) few; (Medium) slender stout; Long, and stand drooping out in a rather distinctive spreading manner.

Twigs: (Many) medium few; (Medium) slender stout; Long (medium) short; Straight branched (twiggy); Medium open (dense); Willowy. Irregular in length - some short, some medium.

Spurs: Very (many) medium few; Very medium slender (stout); (1/2 - 1 - 2 - 3 inch); Mostly branched (unbranched);

Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open (dense stocky grower); Top (round) much broader narrower than tall.

Illustrations: Tree photographed. Irregular length of twigs give a characteristic habit for growth.

Fruit painted Several

Fruit modeled

Fruit described Several

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *No Bloom - supposedly - which it is not.*
Pomology No. *35881* (see below Remarks)
Orchard location: Section *J* Row *13-14* Tree *5-*
Arlington Accession No. *5247* (see under remarks)

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	—	—	:	1927 -	<i>8/10</i>	<i>109278</i>
1923 -	<i>8/23</i>	<i>103850</i>	:	1928 -	<i>8/14</i>	<i>110263</i>
1924 -	<i>8/29</i>	<i>105195</i>	:	1929 -	—	—
1925 -	—	—	:	1930 -	—	—
1926 -	<i>8/17</i>	<i>107788</i>	:	1931 -	—	—

Blossom dates: 1924 - *5/3* - full bloom
1925 - *4/15* - 50% in bloom; *4/20* - part full.
1926 - *5/1* - 75% of what few buds there are R13, open
1927 - *4/16* - 25% buds open.
Remarks: 1928 - *4/30* - first bloom; *4/26* - 25% buds open;
5/1 - 90% " "

According to records this should be a "No-bloom"
type of apple - originates from H. H. Farthing,
Hatter, N.C. *3/30/06*. but fruit is a normally
formed large red striped, fairly good apple.
Characterization: normally developed with full quota of
seeds. - not a "no-bloom" type. Identity unknown.
In 1926, slight suggestion of fairly colored Pomeroy.
Size good, green uniform and regular
except indistinct ribbing. Ground color
rich yellow - greenish till full ripe. fairly well
overspread with thin wash of red and stripes.
- rather attractive when well colored - whitish
bloom; cavity narrow, shallow, (over)

Flush tinged yellow, moderately fine
grain, quite tender, moderately
juicy, subacid - a little too sharp
for eating fresh, pleasant aside
from acidity; fairly good.

In 1928, exceptionally juicy, mild
subacid - acidity of other years not
in evidence, fairly rich, pleasant,
good. Apparently superior to previous
years; juiciness and flavor being
appealing. Prime eating condition

8/17/28.

Second sheet, Variety

No Bloom - which it is not.

Storage notes:

acc. No. 5247.

11/9/25

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal. 50% still on.

Habit of Growth: Very upright roundish (broad flat spreading)
Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very (medium) long short; Very (medium) slender
stout; Medium (straight) crooked.

Secondary limbs: Numerous (medium) few; (Medium) slender stout;
Drooping.

Twigs: Many (medium) few; (Medium) slender stout; Long (medium)
short; (Straight) branched twiggy; Medium open
dense; Willowy.

Spurs: Very many (medium) few; Very medium slender (stout);
(1/2 - 1 - 2 - 3 inch) Mostly branched (unbranched);

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: (Medium) slender open dense stocky
grower; Top round much (broader narrower than tall)

Illustrations:

Tree photographed

Fruit painted None

Fruit modeled

Fruit described None

Disease notes by J. W. Roberts:

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *No Blow (identified) should be Ohio Pippin*

Pomology No. *None given. 7-9-11-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100*

Orchard location: Section *A* Row *15-16* Tree *5*

Arlington Accession No. *8195 (see under Remarks)*

See " " *3213 (5:19-20:4) also No Blow.*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>9/18</i>	<i>102527</i>	:	1927 -	—	—
1923 -	<i>9/3</i>	<i>103885</i>	:	1928 -	<i>9/8</i>	<i>110366</i>
1924 -	<i>9/13</i>	<i>105410</i>	:	1929 -	<i>8/29</i>	<i>111116</i>
1925 -	—	—	:	1930 -	—	—
1926 -	<i>9/7</i>	<i>107920</i>	:	1931 -	—	—

Blossom dates: 1924 - *5/6, 40% buds open*

1925 - —

1926 - *5/1, cluster and stage of advancement.*

1927 - *5/1, buds just showing.*

Remarks: *According to the acc. record this and No. 8191 should be Ohio Pippin. Scans of both renewed 3/23/10. Both grafted 3/24/10. Both supplied by Dr. D. W. Shonemaker as Ohio Pippin. These trees were labeled Ohio Pippin but in examining the blossoms it was noted that they were of the No Blow or Spencer seedling type. Later it was decided this fruit was identical with No Blow (acc. No. 3213, 5:19-20:4). How such*

Characterization: *a mixture could be made at this time is uncertain. A search of the records covering this period might show that No Blow type of scans were renewed, records lost and Ohio Pippin records inadvertently substituted. Or - it seems probable that acc. No. 8195 should be No Blow - but record for No. 8191 - Ohio Pippin from Dr. Shonemaker written in for it by mistake. This would account for 2 lots of scans - apparently (over)*

received from Dr. Shumaker - same
date and of same variety. No. 8191 is
apparently Ohio Pippin from Shumaker
The pair No. for are No. 8195, which is
probably near Penn. No. 46544 should
be looked up for any information
in my file.

Characterization: Size medium,
to moderately large, general form
elongated, truncate, halves unequal.
Color of skin mostly yellow, some-
times slight blushing; dots
variable, some whitish, submerged,
others yellowish and raised - not
conspicuous.* Flesh tinged
yellow, moderately fine grain, a
little inclined to be tough, fairly
firm, rather lacking in juice;
very mild subacid approaching
neutral; looks richness, only
fair in quality.

Because of its peculiar double
storied core and calyx tube
and calyx formations, and
petaloid structure it is an interest-
ing morphological fruit but
of no value as an apple.

* Core medium, somewhat russeted,
stem about $\frac{1}{4}$ " clubbed.

Second sheet, Variety

No Blaw

Storage notes:

L: 15-16:5

11/9/28

Vigor of Tree: Exceptionally (strong) average weak. Size:
Exceptionally large (average) small.
(better than)

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal. *75% on*

Habit of Growth: Very (upright roundish) broad flat spreading.
Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very medium (long) short; Very (medium slender
stout) Medium (straight) crooked.

Secondary limbs: (Numerous) medium few; (Medium) slender stout;
Drooping.

Twigs: (Many) medium few; (Medium) slender stout; Long (medium)
short; (Straight) branched (twiggy) (Medium open
dense); Willowy.

Spurs: Very (many) medium few; Very (medium) slender stout;
(1/2 - 1 - 2 - 3 inch) Mostly branched unbranched;

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: (Medium) slender open dense (stocky
grower); Top (round) much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted #105410-111116

Fruit modeled

Fruit described *None*

Disease notes by J. W. Roberts?

*a rather distinct type of tree but hard
to describe. There are 4 or 5 main
limbs with good spread; many secondary
branches with many twigs.*

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *No Blow*

Pomology No. *24626*

Orchard location: Section *D* Row *19-20* Tree *4*

Arlington Accession No. *3213*

See acc. no. 5195 (J:15-16:5) which should be Ohio Pippin but which is apparently No. Blow.

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>8/7</i>	<i>102243</i>	:	1927 -	<i>9/3</i>	<i>109527</i>
1923 -	—	—	:	1928 -	—	—
1924 -	<i>9/24</i>	<i>105497</i>	:	1929 -	—	—
1925 -	—	—	:	1930 -	—	—
1926 -	<i>8/27</i>	<i>107768</i>	:	1931 -	—	—

Blossom dates: 1924 - —
1925 - *4/8, fully buds. sepals are not, and perhaps do not open. No apparent change from cross. pollination.*
1926 - *4/30, sepals not open; no petals.*
1927 - —

Remarks: *Scions received 4/24/02 from E. F. Hodge, Worcester, Mass. (from Schenckbury, Mass)*
1926 notes. A double storied core, very peculiar morphologically; fairly good quality but not of value as an apple. Good size, somewhat elongated. Many fruits, somewhat truncate.

Characterization: *Apical portion in some cases is somewhat drawn in, or contracted so as to be with basal portion, somewhat suggestive of the 2-storied character of core. Color yellow with a little blush, sometimes an exposed side same round markings; dots fairly numerous, brownish, rather large.*
In 1924, fruits were distinctly russeted, suggesting an apple of russet group but overripe (over)

apparently due to spray injury or frost. Normally ground color is yellow. Flavor mildly subacid. Fruits vary in form, but in general elongated showing peculiar calyx formation.

In 1927 fruits were large for the variety; some fruits show no external characteristics of the double core formation of interior.

Second sheet, Variety

No Blow

551

Storage notes:

D: 19-20:4

11/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright roundish) broad flat (spreading).
Central leader: (Partially retained) disappeared.

Branching:

Main limbs: Very medium long short; Very (medium slender)
smooth stout; Medium straight crooked *well branched*
Secondary limbs: Numerous medium few; Medium slender stout;
Drooping. *well branched*
Twigs: Many (medium) few; (Medium slender stout); Long medium
short; Straight branched twiggy; Medium open
dense; Willowy. *evenly distributed over whole top.*
Spurs: Very many (medium) few; Very medium slender (stout)
1/2 - (1 - 2 - 3 inch); (Mostly branched unbranched)
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

See below

Illustrations:

Tree photographed Neg. No. 45870 + 47955

Fruit painted #105410 - 111116 Fruit modeled

Fruit described *None*

Disease notes by J. W. Roberts:

*well developed, symmetrical, well branched
top - rather open. Mostly smooth and
clean but No. 20 trunk shows roughening
as if from some earlier infection. Old
scar tissue and old wounds not healed.
No. 19 is apparently free of this trouble.*

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Nonesuch* (Received as *Sharps Nonesuch*)
Pomology No. *25477* should probably *Nonesuch*.
Orchard location: Section *7* Row *15-16* Tree *2*
Arlington Accession No. *4371*
S.S.S. 6745

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>8/3</i>	<i>102227</i>	:	1927 -		
1923 -	<i>8/21</i>	<i>103839</i>	:	1928 -		
1924 -	<i>8/29</i>	<i>105186</i>	:	1929 -		
1925 -	<i>9/1</i>	<i>106691</i>	:	1930 -		
1926 -			:	1931 -		

Blossom dates: 1924 - *5/6, full bloom - very light.*
1925 - *4/15, first bloom; 4/20, 75% buds open;*
1926 - *7/25, little past full.*
1927 -

Remarks: *Scions received 3/20/03 (on grafts?)*
from Australia through C.A. Nobilis, Sydney.
V.S.W. Grown in nursery on Paterson flats under
Pam. No. 21747. Arlington trees propagated from
scions cut from these nursery trees under No. 25477

Characterization: *Presumably. No adequate*
description to check with.
Size medium to good; fairly regular,
slightly oblate. Ground color yellowish,
well covered with bright red stripes
and splashes; a heavy overspread of
butter-milk, making a rather unattractive
grayish effect. General appearance suggests
McIntosh somewhat. Flesh yellowish, firm.
Fine grain, tender, juicy. Mild subacid
(over)

fairly good - nothing pronounced in its
qualities. Forgoing are 1925 notes.
In 1924 it was considered poor in
quality, unattractive; no account.
In 1923, very poor in quality.

no 2d shot.

3/2/26 Good tree, medium size or
above, upright, spreading -
not very unlike Northern
sp. but more secondary
branches; slender twig
growth; more spurs than
in Northern sp.

no painting.

no description

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Northausan (or James winter)*

Orchard location: Section *J* Row *2* Tree *1*

Arlington Accession No. *7198*

Year -	Date Picked	Pomology Number :	Year -	Date Picked	Pomology Number
1922 -		:	1927 -		
1923 -		:	1928 -	<i>9/8</i>	<i>110409</i>
1924 -		:	1929 -		
1925 -		:	1930		
1926 -		:	1931		

Blossom dates: 1924 - *5/3, full bloom*
1925 - *4/15, 90% buds open; 1/20, few clusters past full.*
1926 - *7/1, 85% " " - very light bloom.*
1927 - *4/16, 10% " " 5/11, 35% buds open; 5/15, past full.*
1928 - *4/26, 20% " " 7/11, No. 7198*

Remarks: *There is no acc. card for No. 7198 in the file. Presumably this is the No. for Northausan but since the fruit appears identical with acc. No. 6658, supposedly James winter, it is not possible to determine, on basis of information available now (4/29/42) which is*
Characterization: *correct.*

Second sheet, Variety *Nordhausan*? Acc. No. 7198

Storage notes:

11/10/28

Vigor of Tree: Exceptionally strong (average) weak. Size:
Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal. *Mostly off*

Habit of Growth: Very upright (roundish broad flat spreading)
Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very (medium) long short; Very (medium) slender
stout; Medium (straight) crooked.

Secondary limbs: Numerous (medium) few: (Medium) slender stout;
Drooping.

Twigs: Many (medium) few; (Medium) slender stout; Long (medium)
short; Straight branched twiggy; Medium open
(moderately dense) Willowy.

Spurs: Very many (medium) few; Very (medium) slender stout;
(1/2 - 1 - 2) - 3 inch; Mostly branched (unbranched)

Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: (Medium slender open) dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

(slightly) *a good clean tree - good type*

Fruit painted

Fruit modeled

Fruit described

Disease notes by J. W. Roberts:

Variety Apple Orchard
Arlington Farm.

Variety: Nordhaussen [Spencer seedless]

Section I: 12:4

acc. No. 5080 (Pam. No. 34102)
(Filed under Spencer seedless.)

James Wmiller

These records
belong to
Spencer seedless
this variety from
James Wmiller
Glenwood
Glenwood Colo.

Section I: 7-8:4

acc. No. 6658 (Pam. No. 40793)

This records
pear records
James Wmiller
from Stark
Hors.

Nordhaussen

Section I: 2:1

acc. No. 7198

(Filed under Nordhaussen)

There is a general mix-up with all 3 lots
apparently being one and the same variety.

No. 5080 apparently should be Spencer
Seedless. This no. was received as a single
tree May 26, 1905 under restrictions (as were
also acc. Nos. 5078, 5079 and 5081).

No. 6658 was received as James Wmiller.
The acc. record card for No. 7198 is not in
the files but presumably it is Nordhaussen
since that is indicated in the orchard
records, but not confirmed by any record
on file located to date 4/7/42. Did the card
with the fruit samples of No. 7198 (I:2:1)
for 1928 and a corresponding card for
Spencer Seedless (I:12:4) for 1928 Mr. Brink
related that the 3 lots named above seemed
to him to be identical. I definitely confirmed
(to my own satisfaction) the correctness of
Mr. Brink's observation with a fairly
(over) definite

statement, to the effect the variety
might be either James Winter
No. 5050, or possibly
neither one. There is not enough
information on file (that has been
located) to show what either of
these varieties is like. It became
evident that specimens of No. 5050
(J:12:4) were not Spencer seedlings,
which according to the acc. records
- rather other records on file - the
variety should be. Instead the
fruit as above stated was
like the other two lots. A
composite characterization of
the fruit appears on the
attached sheet for James
Winter. acc. No. 6658, J:7-8:4.

10/20/43. No available records to date
have thrown any light on these
varietal tangles. JPS

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Jones Winter (or Nordhansen probably)*

Orchard location: Section *I* Row *7-8* Tree *4*

Arlington Accession No. *6658* (Pam No. *40793*) *4/8/08* (all over)

Year -	Date Picked	Pomology Number	Year -	Date Picked	Pomology Number
1922 -	—	—	1927 -	<i>9/13</i>	<i>109400</i>
1923 -	<i>8/23</i>	<i>103755</i>	1928 -	<i>9/8</i>	<i>110406</i>
1924 -	<i>9/13</i>	<i>105406</i>	1929 -	<i>9/18</i>	<i>111250</i>
1925 -	<i>8/18</i>	<i>106630</i>	1930 -	—	—
1926 -	—	—	1931 -	<i>10/6</i>	<i>112333</i>

Blossom dates: 1924 - *5/3*, first bloom; *5/6*, full bloom.
1925 - *4/15*, 40% buds open; *4/20*, past full but still buds
1926 - *4/30*, 50% " "
1927 - *4/16*, first bloom.
1928 - *4/26*, buds just showing pink; *5/1*, 35% buds open.

Remarks:

Orchard records give the Acc. No. as 6659, but this is obviously an error, No 6658 being clearly correct. On the fruit label for 1925 it was noted that these were sweet apples under the name Jones Winter. One such from New Zealand was propagated. The Pam. No. record (No. 40793) may show this to be the New Zealand apple (see over)

Characterization:

(Composite from several seasons.)
Fruit size, roundish conic, commonly with apex tapering sharply, indistinctly ribbed, usually fairly regular.
Ground color pale yellow or greenish depending on maturity, sometimes slightly blushed, some specimens with coppery bronze areas, occasionally very slight striping, some areas grayish overexposed. Bats mostly of 2 types - numerous, submarginal, small, inconspicuous, and a scattered, raised, and dark colored. Cavities varying from narrow and shallow with very short fleshy stem to moderately broad and deep with stem $\frac{1}{2}$ " and medium. Commonly coarsely meshed. Some varieties occur in most lots of fruit. Basin below medium, smooth, regular, (over)

sepal fairly large, converging, eye rather large,
usually closed, sometimes partially open.

Flower white or slightly tinged yellow, satiny,
unusually fine grain, tender, fairly juicy,
sprightly subacid, usually fairly rich, fairly
good, with characteristic flavor - pleasant to
some, probably not appealing to others.

The most striking characteristic is its very
fine grain - almost as smooth as
a pear.

On Aug 26, 1925 it was noted that the fruits
were breaking down internally, the trouble
centering about the core resulted in a
brownish corky texture, which sometimes
extended throughout the flesh so that it
was visible on the skin. Sept. 16,
1927 it was noted that the above
trouble was entirely absent this year.

Pam. No. 40793 records pear
scions under name "James
Winter" from Stark Bros.
Lawrence Mo. received 4-2-08
for propagation together with
scions of 8 varieties of apples.
Pam. Nos. 40785 to 40792, inclusive.

Second sheet, Variety

James Winter
(or Nordhansson)

Storage notes:

1927 Crop. Nov. 3. Kept fairly well in office refrigerator except for a little shriveling. Flesh white, very fine grain, other characteristics as previously stated. Well subacid with characteristic flavor, pleasant to some but probably not appealing to every one.

Vigor of Tree: Exceptionally strong (average) weak. Size: Exceptionally large (average) small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very upright (roundish) broad flat spreading. Central leader: Partially retained (disappeared)

Branching:

Main limbs: Very (medium) long short; Very (medium) slender stout; Medium (straight) crooked.

Secondary limbs: Numerous (medium) few; (Medium) slender stout; Drooping.

Twigs: Many medium (few) (Medium) slender stout; Long (medium) short; (Straight) branched twiggy; Medium open dense; Willowy.

Spurs: Very many (medium) few; Very medium slender stout; (1/2 - 1 - 2 - 3 inch) Mostly branched (unbranched)

Spur twigs: Few medium many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium (slender open) dense stocky grower; Top (round) much broader narrower than tall.

No varietal character in particular to tree.

Illustrations:

Tree photographed

Fruit painted

Fruit modeled

Fruit described

Disease notes by J. W. Roberts:

[Faint, illegible handwritten notes]

VARIETY APPLE ORCHARD
Arlington Farm

Variety: *Norvegion*
Pomology No. *Apparently not recorded.*
Orchard location: Section *I* Row *23* Tree *5*
Arlington Accession No. *5013*

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	<i>7/21</i>	<i>101616</i>	:	1927 -	<i>8/4</i>	<i>109239</i>
1923 -	<i>8/14</i>	<i>103419</i>	:	1928 -		
1924 -	<i>8/24</i>	<i>105193</i>	:	1929 -		
1925 -	<i>7/29</i>	<i>106519</i>	:	1930 -		
1926 -	<i>8/27</i>	<i>107767</i>	:	1931 -		

Blossom dates: 1924 - *4/28, 50% buds open; 1/2 full bloom - very light.*
1925 - *4/15, part full bloom.*
1926 - *4/30, " " " - very light*
1927 - *4/12, 5% buds open.*

Remarks: *Scions received 7/12/05 from J.B. Mitchell, Cresco, Ia, with whom it originated. Gives general impression of being a Russian apple.*

Characterization: *Size fairly good, regular, smooth, roundish conic, ground color very pale yellow or white, well covered on exposed side with bright red stripes, with ground color showing between, practically no dots but faintly like 20-dunce, or even more so suppressed under skin, purplish bloom, flesh nearly white, tinged slightly same, times, slightly satiny, fine grain, rather tough, fairly juicy, no acid, fruit fresh - unless fully ripe, no distinct flavor, too sour in quantity to be of value. Same water core same as above.*

Painting: Name

Description: Name

1800

1800

1800

1800

1800

1800

1800

1800

1800

1800

1800

1800

1800

1800

557

Variety Apple Orchard

Arlington Farm

Variety: Northern Spy.

(a) Pam. No. 24306

Location: B: 9-10: 3

acc. No. 1888

Scions from Geneva N. Y. 1902. $\frac{3}{16}$

(b) Pam. No. 24556

Location: D: 16: 1

acc. No. 3103

Scions - Apr. 7/02 from J. E.

Benrock, Crown, W. V. - 4/5/02

(c) Pam. No. 28467

Location: F: 6: 4

acc. No. 4348

S.D.S. 6759. Grafts received 3/20/03

Supposed to be Munagerie but
was identified as Northern Spy

See over
for correct-
ion state-
ment

(d) Pam. No. 28469

Location: F: 9-10: 1

acc. No. 4355

S.D.S. 6741. Grafts received 3/20/03

See desc. sheet for source.

(e) Pam. No. 28483

Location: F: 13: 3

acc. No. 4367

S.D.S. 6770. Grafts received 3/20/03

Supposed to be Tetofsky but
identified as Northern Spy

(f) Pam. No. 28470

Location: ~~It~~ planted no fruit or other
orchard records appear to have been made

acc. No. 4375. (This No. not an orchard map)

S.D.S. 6765. - It is at F: 17-18: 1

(over)
See over for source.

S.P.S. Nos. 6759, 6765 and 6770
were from Camden, New South Wales;
S.P.S. No. 6741 was from Emerald,
Victoria.

(c) Correction statement.

It seems probable that Acc. No. 4348
carries 2 varieties:

7:5:4 being Menagerie

and 7:6:4 being Northern Spy

S.P.S. No. 6719 is (supposedly) Northern
Spy. It is possible - if not probable
that the fruit from 7:5-6:4 that
was identified as Northern Spy
when supposedly it should have
been Menagerie was in fact
Northern Spy from 7:6:4, while
that from 7:5:4 was Menagerie.

In any event Acc. No. 4348
seems to have carried 2 varieties
of one tree each, with records
not showing the mixture.

Source - Acc. No. 4325 - Pam. No. 28470. S.P.S. No. 6765
originally from F. Ferguson, Sydney, N.S.W. Grown
in nursery on Paterson Flats. Scions for Arlington
propagation cut from these nursery trees and
recorded as Pam. No. 28470

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Northern Spy

Pomology No.

See cover sheet

Orchard location:

Section

Row

Tree

Arlington Accession No.

1888

B: 9-10:3

4348

F: 6:4

4367

F: 13:3

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -			:	1927 -	9/22 (4348)	109529
1923 -	9/14 (4348)	103924	:	1928 -		
1924 -			:	1929 -		
1925 -	9/16 (1888)	106795	:	1926 -	10/13 (4367)	108337
1926 -	10/13 (4348)	108336	:	1927 -	9/22 "	109531

Blossom dates:

1924

1925

1926

1927

acc. No. 1888 - stock was from N.Y. Dept. of Agriculture Geneva.

acc. No. 4348 - Sept. 6, 1927.

Remarks:

supposed to be *Minisipie* but identified as *Northern Spy*.

acc. No. 4367 - Sept. 6, 1927. supposed to be *Tatovsky* but identified as *Northern Spy*.

Characterization:

acc. No. 4367. Sept. 28, 1927. Seed size, roundish conical, slightly ribbed, regular, uniform. Ground color yellowish, with well overspread with characteristic red of the variety though rather lightly colored; indistinct striping. Cells small, numerous, yellowish, inconspicuous. Flesh yellowish, fine grain, breaking, juicy, mild unacid. Seed is high quality rating as seeds. Cakes crisp and specimens of variety at its best. Still (9/27/27) fairly firm but evidence of early maturity. This was probably the variety about at its best for this section. 1927 C. is stored. Out 12/1/27. Exam 12/28. Several fruits decayed. Chewy part storage deteriorated though some fruits still edible. (See also for #4348, no 22 sheet)

Acc. No. 1888

Bloom

1924.

5/2

first bloom - very light

1925,

4/13

4/16

50%

buds open

4/22, full bloom

4/22 anthers very small
contain but little pollen

7/27/26

Tree good size, upright;
fine, healthy tree. Many
secondary branches, and
small, very straight twigs.
Bark smooth on trunk
and limbs.

Second sheet, Variety

Northern Spy

581

Storage notes:

acc. No. 4348

7:16:4

Blossoming dates:

1924-⁵/₆, full bloom - light bloom

1925-⁴/₂₀, 90% buds open.

1926-⁴/₃₀, first bloom.

Vigor of Tree: Exceptionally (strong) average weak. Size:
Exceptionally (large) average small.

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright roundish) broad flat spreading.
Central leader: (Partially retained) disappeared.

Branching:

Main limbs:

well branched - limbs rather slender
Very medium long short; Very medium slender
stout; Medium straight crooked.

Secondary limbs:

Numerous medium few; Medium slender stout;
Drooping.

Twigs: (Many) medium few; Medium (slender) stout; (Long medium)
short; Straight branched twiggy; Medium open
dense; Willowy.

Spurs: Very many medium (few); Very medium (slender) stout;

1/2 - (1 - 2 - 3 inch) (Mostly branched unbranched)

Spur twigs: Few (medium) many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Reg Nos. 47951 (5:16:1); 47906 (7:16:4)

Fruit painted

several

Fruit modeled

Fruit described

#29681-46502

Disease notes by J. W. Roberts:

well branched main limbs, small
number of slender twigs and canybarative
absence of spurs are noticeable features.

VARIETY APPLE ORCHARD
Arlington Farm

Variety:

Northrup 587

Pomology No.

24556

Orchard location: Section

D

Row

16

Tree

1

Arlington Accession No.

3103

(See Acc. No. 4375 on
reverse of 2d sheet)

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -			:	1927 -	9/26	109528
1923 -			:	1928 -		
1924 -			:	1929 -		
1925 -			:	1930 -		
1926 -			:	1931 -		

Blossom dates: 1924 -

5/2, first bloom.

1925 -

4/18, 50% buds open

1926 -

1927 -

Remarks:

Not apparent why picking records
for only one year were made.

Characterization:

Sept. 30/27 Good size; as well
developed and well colored specimens
of the variety as we often have from
Kingston.

Second sheet, Variety

Northern Fly

Storage notes:

acc. No. 3103.

D: 16:1

1/7/28

Vigor of Tree: Exceptionally strong average (weak) Size:
Exceptionally large average (small).

Foliage: Very abundant normal scanty. Leaves: Very large
medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat (spreading)
Central leader: Partially retained disappeared.

Branching:

Main limbs: Very medium long short; Very (medium slender)
stout; Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout;
Drooping.

Twigs: (Many) medium few; Medium slender stout; Long medium
short; Straight branched twiggy; Medium open
dense; Willowy. *Many small shoots*

Spurs: Very many medium (few) Very medium (slender) stout;
Small 1/2 - 1 - 2 - 3 inch; Mostly branched unbranched;
Spur twigs: Few medium many; Terminal bearing mostly
considerable slight none

General aspect of tree: Medium slender open dense stocky
grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Fruit painted

Several

Fruit modeled

Fruit described *#29681-46502*

Disease notes by J. W. Roberts:

*apparently a very fine tree. Many
cane shoots. Trunk rough. Much
old bark scaling off of lower part
of main limbs.*

It was thought that acc. No. 4375-
was not on the orchard map, but
it appears at 7: 17-18-1. Apparently
no fruit records were made but
following tree records appear.

Bloom. 5/11 first bloom; 5/16 full bloom
1924.

1925, 4/13, " " ; 4/20. 80% buds open
4/20 note early bloom but
very slow development
to full bloom.

3/2/26 Tree rather small, not
over medium size,
but varietal type.
A good many spurs.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: Northern Spy

Pomology No. 28469

Orchard location: Section 7 Row 9-10 Tree 1

Arlington Accession No. 4355

L.P.V. 6741

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	9/28	102654	:	1927 -	9/21	109530
1923 -	—	—	:	1928 -	—	—
1924 -	10/4	—	:	1929 -	—	—
1925 -	—	—	:	1930 -	—	—
1926 -	10/13	108335	:	1931 -	—	—

Blossom dates: 1924 - 5/6, 90% buds open - very light bloom
1925 - 4/4, first bloom; 4/30 full bloom.
1926 - 4/30 " "
1927 -

Remarks: Scions originally from C.A. Nobels, Sydney, N.S.W. 3/15/03. Grown on Palomares flats in nursery as Pom. No. 28469. Arlington trees propagated from these nursery trees under Pom. No. 28469.

Characterization: Notes general and fragmentary. Fairly large for variety as rule; overcropped. A peculiar light-red characteristic of shadblow grown fruits of variety, and lacking the crispness and spicy flavor that make it prized when grown in North.

No 2d sheet.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: Northwestern Greening.

Pomology No. 24307

Orchard location: Section B Row 9-10 Tree 4

Arlington Accession No. 1889

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	10/7(1)	102775	:	1927 -	9/26	109532
1923 -	9/28	104140	:	1928 -		
1924 -	11/4	105954	:	1929 -		
1925 -	10/5	106945	:	1930 -		
1926 -	9/20	108338	:	1931 -		

Blossom dates: 1924 - 4/30, first bloom.
1925 - 4/14, 20% buds open. - Mostly 1 limb Tree Row 9
1926 - 4/28, center buds opening in top of tree -
not on sides.
1927 -

Remarks: Scions from N. Y. Expt. Station. 1902

Characterization: 1926 notes: Small for variety - medium to good size; in general form & color typical of variety. ground color now (10/6) distinctly green, roundish to roundish-ovoid; smooth except for indistinct ribbing. dots mostly minute, whitish, submerged, many specimens - a few raised, brownish dots, medium size, not conspicuous because of scarcity. An occasional fruit shows a little bluish. High lined yellow, fine grain, firm, crisp, juicy, mild subacid; too immature for flavor, but seems fairly rich and fairly good - (which now (5/4/42) seems a highly overestimated evaluation of quality) not. Sept 30/27, no ribbing noticeable this year (over)

In 1925 some fruits were water-
covered.

In 1924 form seemed to tend to
oblateness more than usual.

Second sheet, Variety

Northwestern Greening 566

acc. No. 1889. B: 9-10: 4

Storage notes:

1926 Crop. Stored Oct. 9. Out and examined 13/12. Color of skin still greenish, no shriveling; no storage troubles developed. Rather fine grain, tender, rather locking in juice, mild subacid, rather flat, poor in dessert quality. Perhaps held too long in storage. but no signs of breakdown.

1927 Crop. Out 13/28. Exam 1/9/28. Prime eating condition. Fine grain, tender, fairly juicy, mild subacid, with a rather peculiar flavor not previously detected. Not unpleasant but lacks richness - not better than fair quality.

Vigor of Tree: Exceptionally strong (average) weak. Size: Exceptionally (large) average small.

Foliage: Very abundant normal scanty. Leaves: Very large medium small; Color: Light dark normal.

Habit of Growth: Very (upright) roundish broad flat (slightly) spreading. Central leader: Partially retained disappeared. 1/7/28

Branching:

Main limbs:

mostly smooth but some indications of bark disease. Very medium long short; Very medium slender (stout) Medium straight crooked.

Secondary limbs: Numerous medium few; Medium slender stout; Drooping. Stand out rather straight.

Twigs: (Many) medium few; Medium (slender) stout; Long medium short; Straight branched twiggy; Medium open dense; Willowy. Distributed along secondary branches.

Spurs: Very many (medium) few; Very medium slender stout; (1/2 - 1 - 2) - 3 inch; Mostly branched (unbranched); Spur twigs: Few (medium) many; Terminal bearing mostly considerable slight none

General aspect of tree: Medium slender open dense stocky grower; Top round much broader narrower than tall.

Illustrations:

Tree photographed

Neg. No. 47930

Fruit painted

Several

Fruit modeled

Fruit described

Several

Disease notes by J. W. Roberts:

9 is very fair tree several main limbs gone - only 1/2 top remains, and top of some of these limbs gone - apparently diseased. Notes above on #10. Appearance is very twiggy. Main limbs and secondary branches lined with small twigs and spurs - like growth.

VARIETY APPLE ORCHARD
Arlington Farm

Variety: Northwestern Greening ?? (see under) (Remarks)

Pomology No. 24481

Orchard location: Section 6

Row 21-22 Tree 5

Arlington Accession No. 3045

Year -	Date Picked	Pomology Number	:	Year -	Date Picked	Pomology Number
1922 -	10/7	102783	:	1927 -		
1923 -	9/27	104096	:	1928 -		
1924 -	10/4	-	:	1929 -		
1925 -	-	-	:	1930 -		
1926 -	8/26	106664	:	1931 -		

Blossom dates: 1924 - 5/1, 50% buds open.
1925 - 4/13, first bloom; 4/18, 50% buds open, developing slowly.
1926 -
1927 -

Remarks: This acc. No. should be White Doctor -
Scions 4/5/02 from Rev. Buckman Farmingdale, Ill. In 1922 fruit was considered as probably correctly named but with certain discrepancies as compared with painting of the variety. In 1924, it seemed to be "apparently Greenville", but in 1925 it was "probably Northwestern Greening".

Characterization: but fruit was picked too green and very immature. Observation was further that the variety was not White Doctor, and not Greenville, while the last suggestion of Northwestern Greening seems likely correct. The identification seemed still to leave some doubt as to correctness.

In 1924 the fruit seemed too poor for Greenville.
(over)

3/4/26. Fine sturdy trees - above
medium; broad spreading
(called white birch type before it
was identified as Northwestern
Spruce - but considerable
uncertainty about identity.

(no 2d sheet)

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